GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: April 19, 2005, 06:25:30 ; Search time 28 Seconds
(without alignments)
751.823 Million cell updates/sec

Title: US-10-773-715-6
Perfect score: 1431
Sequence: 1 MASLGQILFWSIISIIIILA.....SSFFAISWALLPLSPYLMLK 282

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
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6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1431	100.0	282	4	US-09-404-879A-393	Sequence 393, App
2	1431	100.0	282	4	US-09-667-857-393	Sequence 393, App
3	1431	100.0	309	4	US-09-404-879A-392	Sequence 392, App
4	1431	100.0	309	4	US-09-667-857-392	Sequence 392, App
5	348	24.3	65	4	US-09-667-857-415	Sequence 415, App
6	246.5	17.2	316	4	US-09-910-174B-24	Sequence 24, Appl
7	246.5	17.2	316	4	US-09-620-461-24	Sequence 24, Appl
8	245	17.1	340	4	US-09-651-200-2	Sequence 2, Appli
9	245	17.1	441	4	US-09-651-200-4	Sequence 4, Appli
10	245	17.1	534	4	US-09-651-200-6	Sequence 6, Appli
11	245	17.1	534	4	US-09-651-200-24	Sequence 24, Appl
12	238.5	16.7	315	4	US-09-910-174B-28	Sequence 28, Appl
13	238.5	16.7	315	4	US-09-620-461-28	Sequence 28, Appl
14	223	15.6	513	4	US-09-910-174B-18	Sequence 18, Appl
15	223	15.6	513	4	US-09-620-461-18	Sequence 18, Appl
16	217.5	15.2	540	2	US-08-724-394A-4	Sequence 4, Appli
17	215.5	15.1	731	4	US-09-910-174B-15	Sequence 15, Appl
18	215.5	15.1	731	4	US-09-620-461-15	Sequence 15, Appl
19	213.5	14.9	584	4	US-09-910-174B-16	Sequence 16, Appl
20	213.5	14.9	584	4	US-09-620-461-16	Sequence 16, Appl
21	212.5	14.8	610	2	US-08-724-394A-5	Sequence 5, Appli
22	211.5	14.8	526	4	US-09-910-174B-9	Sequence 9, Appli
23	211.5	14.8	526	4	US-09-620-461-9	Sequence 9, Appli
24	211.5	14.8	526	4	US-09-949-016-6122	Sequence 6122, Ap
25	211.5	14.8	540	4	US-09-949-016-11644	Sequence 11644, A
26	211.5	14.8	589	2	US-08-724-394A-1	Sequence 1, Appli
27	207.5	14.5	319	4	US-09-910-174B-12	Sequence 12, Appl
28	207.5	14.5	319	4	US-09-620-461-12	Sequence 12, Appl
29	207.5	14.5	342	2	US-08-724-394A-6	Sequence 6, Appli
30	207.5	14.5	357	4	US-09-910-174B-14	Sequence 14, Appl
31	207.5	14.5	357	4	US-09-620-461-14	Sequence 14, Appl
32	204	14.3	290	4	US-09-910-174B-19	Sequence 19, Appl
33	204	14.3	290	4	US-09-620-461-19	Sequence 19, Appl
34	204	14.3	350	4	US-09-651-200-25	Sequence 25, Appl
35	204	14.3	350	4	US-09-910-174B-17	Sequence 17, Appl
36	204	14.3	350	4	US-09-620-461-17	Sequence 17, Appl
37	199.5	13.9	290	4	US-09-910-174B-32	Sequence 32, Appl
38	199.5	13.9	290	4	US-09-451-291-3	Sequence 3, Appli
39	199.5	13.9	290	4	US-09-645-069-23	Sequence 23, Appl
40	196	13.7	296	4	US-09-667-135-36	Sequence 36, Appl
41	193	13.5	527	4	US-09-910-174B-10	Sequence 10, Appl
42	193	13.5	527	4	US-09-620-461-10	Sequence 10, Appl
43	192	13.4	329	4	US-09-651-200-18	Sequence 18, Appl
44	192	13.4	329	4	US-09-303-040-6	Sequence 6, Appli
45	188.5	13.2	290	4	US-09-910-174B-8	Sequence 8, Appli

ALIGNMENTS

RESULT 1
US-09-404-879A-393
; Sequence 393, Application US/09404879A
; Patent No. 6468546
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C2
; CURRENT APPLICATION NUMBER: US/09/404,879A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 393
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 393
; LENGTH: 282
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-404-879A-393

Query Match 100.0%; Score 1431; DB 4; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.5e-138;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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RESULT 2
US-09-667-857-393
; Sequence 393, Application US/09667857
; Patent No. 6699664

Seq ID 311

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; GENERAL INFORMATION:
;  APPLICANT: Mitcham, Jennifer L.
;  APPLICANT:  King, Gordon E.
;  APPLICANT:  Algate, Paul A.
;  APPLICANT:  Fling, Steven P.
;  APPLICANT:  Retter, Marc W.
;  APPLICANT:  Fanger, Gary Richard
;  APPLICANT:  Reed, Steven G.
;  APPLICANT:  Vedvick, Thomas S.
;  APPLICANT:  Carter, Darrick
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
;  TITLE OF INVENTION:  DIAGNOSIS OF OVARIAN CANCER
;  FILE REFERENCE: 210121.462C5
;  CURRENT APPLICATION NUMBER: US/09/667,857
;  CURRENT FILING DATE:  2000-09-20
;  NUMBER OF SEQ ID NOS: 455
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 393
;   LENGTH: 282
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-667-857-393

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  Best Local Similarity  100.0%;  Pred. No. 2.5e-138;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 3
US-09-404-879A-392
; Sequence 392, Application US/09404879A
; Patent No. 6468546
; GENERAL INFORMATION:
;  APPLICANT:  Mitcham, Jennifer L.
;  APPLICANT:  King, Gordon E.
;  APPLICANT:  Algate, Paul A.
;  TITLE OF INVENTION:  COMPOSITIONS AND METHODS FOR THE THERAPY AND
;  TITLE OF INVENTION:  DIAGNOSIS OF OVARIAN CANCER
;  FILE REFERENCE:  210121.462C2
;  CURRENT APPLICATION NUMBER: US/09/404,879A
;  CURRENT FILING DATE:  1999-09-24
;  NUMBER OF SEQ ID NOS:  393
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 392
;   LENGTH: 309
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-404-879A-392

  Query Match           100.0%;  Score 1431;  DB 4;  Length 309;
  Best Local Similarity  100.0%;  Pred. No. 2.8e-138;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         88 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 147

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        148 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 207

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        208 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 267

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              ||||||||||||||||||||||||||||||||||||||||||
Db        268 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 309


RESULT 4
US-09-667-857-392
; Sequence 392, Application US/09667857
; Patent No. 6699664
; GENERAL INFORMATION:
;  APPLICANT: Mitcham, Jennifer L.
;  APPLICANT:  King, Gordon E.
;  APPLICANT:  Algate, Paul A.
;  APPLICANT:  Fling, Steven P.
;  APPLICANT:  Retter, Marc W.
;  APPLICANT:  Fanger, Gary Richard
;  APPLICANT:  Reed, Steven G.
;  APPLICANT:  Vedvick, Thomas S.
;  APPLICANT:  Carter, Darrick
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
;  TITLE OF INVENTION:  DIAGNOSIS OF OVARIAN CANCER
;  FILE REFERENCE: 210121.462C5
;  CURRENT APPLICATION NUMBER: US/09/667,857
;  CURRENT FILING DATE:  2000-09-20
;  NUMBER OF SEQ ID NOS: 455
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 392
;   LENGTH: 309
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-667-857-392

  Query Match           100.0%;  Score 1431;  DB 4;  Length 309;
  Best Local Similarity  100.0%;  Pred. No. 2.8e-138;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
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Db         28 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 87

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         88 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 147

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        148 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 207

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        208 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 267

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Db        268 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 309
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RESULT 5
US-09-667-857-415
; Sequence 415, Application US/09667857
; Patent No. 6699664
; GENERAL INFORMATION:
;  APPLICANT: Mitcham, Jennifer L.
;  APPLICANT:  King, Gordon E.
;  APPLICANT:  Algate, Paul A.
;  APPLICANT:  Fling, Steven P.
;  APPLICANT:  Retter, Marc W.
;  APPLICANT:  Fanger, Gary Richard
;  APPLICANT:  Reed, Steven G.
;  APPLICANT:  Vedvick, Thomas S.
;  APPLICANT:  Carter, Darrick
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
;  TITLE OF INVENTION:  DIAGNOSIS OF OVARIAN CANCER
;  FILE REFERENCE: 210121.462C5
;  CURRENT APPLICATION NUMBER: US/09/667,857
;  CURRENT FILING DATE:  2000-09-20
;  NUMBER OF SEQ ID NOS: 455
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 415
;   LENGTH: 65
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-667-857-415

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  Best Local Similarity   100.0%;  Pred. No. 2.9e-28;
  Matches   65;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        136 KGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVVWASQVDQGANFSEVS 195
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 KGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVVWASQVDQGANFSEVS 60

Qy        196 NTSFE 200
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Db         61 NTSFE 65

RESULT 6
US-09-910-174B-24
; Sequence 24, Application US/09910174B
; Patent No. 6630575
; GENERAL INFORMATION:
;  APPLICANT: Coyle, Anthony J.
;  APPLICANT:  Fraser, Christopher C.
;  APPLICANT:  Manning, Stephen
;  TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7
;  TITLE OF INVENTION:  Family and Uses Thereof
;  FILE REFERENCE: 35800/236924
;  CURRENT APPLICATION NUMBER: US/09/910,174B
;  CURRENT FILING DATE:  2001-07-20
;  PRIOR APPLICATION NUMBER: US 09/620,461
;  PRIOR FILING DATE: 2000-07-20
;  NUMBER OF SEQ ID NOS: 32
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 24
;   LENGTH: 316
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-910-174B-24

  Query Match             17.2%;  Score 246.5;  DB 4;  Length 316;
  Best Local Similarity   30.2%;  Pred. No. 9e-17;
  Matches   70;  Conservative   44;  Mismatches   99;  Indels   19;  Gaps    9;

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              ||    : | ::|    : |           :| |  | |:|  ||    |: : : |
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Qy         79 LVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGK 138
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Db         75 LVHSFAEGQD----QGSAYANRTALFPDLLAQGNASLRLQRVRVADEGSFTCF-VSIRDF 129

Qy        139 GNANLEYKTGA-FSMPEVNVDYN-----ASSETLRCEAPRWFPQPTVVWASQVDQGANFS 192
              |:| :  :  | :| | : :: |         : |: | : | :|: |  |  | ||   :
Db        130 GSAAVSLQVAAPYSKPSMTLEPNKDLRPGDTVTITCSSYRGYPEAEVFW--QDGQGVPLT 187

Qy        193 EVSNTSFELNSENVTMKVVSVLYNVT-INNTYSCMIENDIAK--ATGDIKVT 241
                    || :: :|      | |||  |    | ||||:: | : :   | | : :|
Db        188 GNVTTS-QMANEQGLFDVHSVLRVVLGANGTYSCLVRNPVLQQDAHGSVTIT 238

RESULT 7
US-09-620-461-24
; Sequence 24, Application US/09620461
; Patent No. 6635750
; GENERAL INFORMATION:
;  APPLICANT:  Coyle, Anthony J.
;  APPLICANT:  Fraser, Christopher C.
;  APPLICANT:  Manning, Stephen
;  TITLE OF INVENTION:  B7-H2 Molecules, No. 6635750el Members of the B7
;  TITLE OF INVENTION:  Family and Uses Thereof
;  FILE REFERENCE:  5800-149
;  CURRENT APPLICATION NUMBER: US/09/620,461
;  CURRENT FILING DATE:  2000-07-20
;  NUMBER OF SEQ ID NOS:  29
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 24
;   LENGTH: 316
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-620-461-24

  Query Match             17.2%;  Score 246.5;  DB 4;  Length 316;
  Best Local Similarity   30.2%;  Pred. No. 9e-17;
  Matches   70;  Conservative   44;  Mismatches   99;  Indels   19;  Gaps    9;

Qy         21 GAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTF--EPDIKLSDIVIQWLKEGVLG 78
              ||    : | ::|    : |           :| |  | |:|  ||    |: : : |
Db         15 GAALGALWFCLTGALEVQVPEDPVVALVGTDATLCCSFSPEPGFSLAQLNLIWQLTDTKQ 74

Qy         79 LVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGK 138
              ||| | ||:|     |    :  |||:| | :  ||||||: |:: | |:: |: :: :
Db         75 LVHSFAEGQD----QGSAYANRTALFPDLLAQGNASLRLQRVRVADEGSFTCF-VSIRDF 129

Qy        139 GNANLEYKTGA-FSMPEVNVDYN-----ASSETLRCEAPRWFPQPTVVWASQVDQGANFS 192
              |:| :  :  | :| | : :: |         : |: | : | :|: |  |  | ||   :
Db        130 GSAAVSLQVAAPYSKPSMTLEPNKDLRPGDTVTITCSSYRGYPEAEVFW--QDGQGVPLT 187

Qy        193 EVSNTSFELNSENVTMKVVSVLYNVT-INNTYSCMIENDIAK--ATGDIKVT 241
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Db        188 GNVTTS-QMANEQGLFDVHSVLRVVLGANGTYSCLVRNPVLQQDAHGSVTIT 238

RESULT 8
US-09-651-200-2
; Sequence 2, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
;  APPLICANT:  Green et al
;  TITLE OF INVENTION:  Polynucleotides Encoding Members of the Human B
;  TITLE OF INVENTION:  Lymphocyte Activation Antigen B-7 Family and
;  TITLE OF INVENTION:  Polypeptides Encoded Thereby
;  FILE REFERENCE:  15966-562 (CURA-62)
;  CURRENT APPLICATION NUMBER: US/09/651,200
;  CURRENT FILING DATE:  2000-08-30
;  PRIOR APPLICATION NUMBER:  60/152383
;  PRIOR FILING DATE:  1999-09-03
;  PRIOR APPLICATION NUMBER:  60/172909
;  PRIOR FILING DATE:  1999-12-21
;  PRIOR APPLICATION NUMBER:  60/183578
;  PRIOR FILING DATE:  2000-02-18
;  NUMBER OF SEQ ID NOS:  25
;  SOFTWARE:  PatentIn Ver. 2.0
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; SEQ ID NO 2
;   LENGTH: 340
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-651-200-2

  Query Match             17.1%;  Score 245;  DB 4;  Length 340;
  Best Local Similarity   27.8%;  Pred. No. 1.4e-16;
  Matches   72;  Conservative   50;  Mismatches  101;  Indels   36;  Gaps   11;

Qy         11 SIISIIIILAGAIALIIGFGI---SGRHSITVTTVAS-------------AGNIGEDGI 53
              ||: :::   |  : ::   :       |:|:|   |                :| |
Db         12 SILRVVLGANGTYSCLVRNPVLQQDAHSSVTITPQRSPTGAVEVQVPEDPVVALVGTDAT 71

Qy         54 LSCTF--EPDIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVG 111
              | |:|  ||   |: : : |       ||| | ||:|    |   :  |||:| | :  |
Db         72 LHCSFSPEPGFSLTQLNLIWQLTDTKQLVHSFTEGRD----QGSAYANRTALFPDLLAQG 127

Qy        112 NASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGA-FSMPEVNVDYN-----ASSET 165
              ||||||: |:: | |:: |: :: :  |:| :  :  | :| | : :: |       : |
Db        128 NASLRLQRVRVADEGSFTCF-VSIRDFGSAAVSLQVAAPYSKPSMTLEPNKDLRPGDTVT 186

Qy        166 LRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVT-INNTYS 224
              : | : | :|:  | |   |  ||   :    || :: :|     | |||  |   | |||
Db        187 ITCSSYRGYPEAEVFW--QDGQGVPLTGNVTTS-QMANEQGLFDVHSVLRVVLGANGTYS 243

Qy        225 CMIENDIAK--ATGDIKVT 241
              |:: | : :  | | : :|
Db        244 CLVRNPVLQQDAHGSVTIT 262


RESULT 9
US-09-651-200-4
; Sequence 4, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
;  APPLICANT:  Green et al
;  TITLE OF INVENTION:  Polynucleotides Encoding Members of the Human B
;  TITLE OF INVENTION:  Lymphocyte Activation Antigen B-7 Family and
;  TITLE OF INVENTION:  Polypeptides Encoded Thereby
;  FILE REFERENCE:  15966-562 (CURA-62)
;  CURRENT APPLICATION NUMBER: US/09/651,200
;  CURRENT FILING DATE:  2000-08-30
;  PRIOR APPLICATION NUMBER:  60/152383
;  PRIOR FILING DATE:  1999-09-03
;  PRIOR APPLICATION NUMBER:  60/172909
;  PRIOR FILING DATE:  1999-12-21
;  PRIOR APPLICATION NUMBER:  60/183578
;  PRIOR FILING DATE:  2000-02-18
;  NUMBER OF SEQ ID NOS:  25
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 441
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-651-200-4

  Query Match             17.1%;  Score 245;  DB 4;  Length 441;
  Best Local Similarity   27.8%;  Pred. No. 2.2e-16;
  Matches   72;  Conservative   50;  Mismatches  101;  Indels   36;  Gaps   11;

Qy         11 SIISIIIILAGAIALIIGFGI---SGRHSITVTTVAS-------------AGNIGEDGI 53
              ||: :::   |  : ::   :       |:|:|   |                :| |
Db        113 SILRVVLGANGTYSCLVRNPVLQQDAHSSVTITPQRSPTGAVEVQVPEDPVVALVGTDAT 172

Qy         54 LSCTF--EPDIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVG 111
              | |:|  ||   |: : : |       ||| | ||:|    |   :  |||:| | :  |
Db        173 LHCSFSPEPGFSLTQLNLIWQLTDTKQLVHSFTEGRD----QGSAYANRTALFPDLLAQG 228

Qy        112 NASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGA-FSMPEVNVDYN-----ASSET 165
              ||||||: |:: | |:: |: :: :  |:| :  :  | :| | : :: |       : |
Db        229 NASLRLQRVRVADEGSFTCF-VSIRDFGSAAVSLQVAAPYSKPSMTLEPNKDLRPGDTVT 287

Qy        166 LRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVT-INNTYS 224
              : | : | :|:  | |   |  ||   :    || :: :|     | |||  |   | |||
Db        288 ITCSSYRGYPEAEVFW--QDGQGVPLTGNVTTS-QMANEQGLFDVHSVLRVVLGANGTYS 344

Qy        225 CMIENDIAK--ATGDIKVT 241
              |:: | : :  | | : :|
Db        345 CLVRNPVLQQDAHGSVTIT 363


RESULT 10
US-09-651-200-6
; Sequence 6, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
;  APPLICANT:  Green et al
;  TITLE OF INVENTION:  Polynucleotides Encoding Members of the Human B
;  TITLE OF INVENTION:  Lymphocyte Activation Antigen B-7 Family and
;  TITLE OF INVENTION:  Polypeptides Encoded Thereby
;  FILE REFERENCE:  15966-562 (CURA-62)
;  CURRENT APPLICATION NUMBER: US/09/651,200
;  CURRENT FILING DATE:  2000-08-30
;  PRIOR APPLICATION NUMBER:  60/152383
;  PRIOR FILING DATE:  1999-09-03
;  PRIOR APPLICATION NUMBER:  60/172909
;  PRIOR FILING DATE:  1999-12-21
;  PRIOR APPLICATION NUMBER:  60/183578
;  PRIOR FILING DATE:  2000-02-18
;  NUMBER OF SEQ ID NOS:  25
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 6
;   LENGTH: 534
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-651-200-6

  Query Match             17.1%;  Score 245;  DB 4;  Length 534;
  Best Local Similarity   27.8%;  Pred. No. 2.9e-16;
  Matches   72;  Conservative   50;  Mismatches  101;  Indels   36;  Gaps   11;

Qy         11 SIISIIIILAGAIALIIGFGI---SGRHSITVTTVAS-------------AGNIGEDGI 53
              ||: :::   |  : ::   :       |:|:|   |                :| |
Db        206 SILRVVLGANGTYSCLVRNPVLQQDAHSSVTITPQRSPTGAVEVQVPEDPVVALVGTDAT 265

Qy         54 LSCTF--EPDIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVG 111
              | |:|  ||   |: : : |       ||| | ||:|    |   :  |||:| | :  |
Db        266 LRCSFSPEPGFSLAQLNLIWQLTDTKQLVHSFTEGRD----QGSAYANRTALFPDLLAQG 321

Qy        112 NASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGA-FSMPEVNVDYN-----ASSET 165
              ||||||: |:: | |:: |: :: :  |:| :  :  | :| | : :: |       : |
Db        322 NASLRLQRVRVADEGSFTCF-VSIRDFGSAAVSLQVAAPYSKPSMTLEPNKDLRPGDTVT 380

Qy        166 LRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVT-INNTYS 224
              : | : | :|:  | |   |  ||   :    || :: :|     | |||  |   | |||
Db        381 ITCSSYRGYPEAEVFW--QDGQGVPLTGNVTTS-QMANEQGLFDVHSVLRVVLGANGTYS 437

Qy        225 CMIENDIAK--ATGDIKVT 241
              |:: | : :  | | : :|
Db        438 CLVRNPVLQQDAHGSVTIT 456


RESULT 11
US-09-651-200-24
; Sequence 24, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
;  APPLICANT:  Green et al
;  TITLE OF INVENTION:  Polynucleotides Encoding Members of the Human B
;  TITLE OF INVENTION:  Lymphocyte Activation Antigen B-7 Family and
;  TITLE OF INVENTION:  Polypeptides Encoded Thereby
;  FILE REFERENCE:  15966-562 (CURA-62)
;  CURRENT APPLICATION NUMBER: US/09/651,200
;  CURRENT FILING DATE:  2000-08-30
;  PRIOR APPLICATION NUMBER:  60/152383
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;  PRIOR FILING DATE:  1999-09-03
;  PRIOR APPLICATION NUMBER:  60/172909
;  PRIOR FILING DATE:  1999-12-21
;  PRIOR APPLICATION NUMBER:  60/183578
;  PRIOR FILING DATE:  2000-02-18
;  NUMBER OF SEQ ID NOS:  25
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 24
;   LENGTH: 534
;   TYPE: PRT
;   ORGANISM: Unknown
;   FEATURE:
;   OTHER INFORMATION: Description of Unknown Organism: Sequence
;   OTHER INFORMATION: mz5020.protein from Figure 4.
US-09-651-200-24

  Query Match             17.1%;  Score 245;  DB 4;  Length 534;
  Best Local Similarity   27.8%;  Pred. No. 2.9e-16;
  Matches   72;  Conservative   50;  Mismatches  101;  Indels   36;  Gaps   11;

Qy         11 SIISIIIILAGAIALIIGFGI---SGRHSITVTTVAS----------AGNIGEDGI 53
              ||: :::   |  : ::   :       |:|:|   |              :| |
Db        206 SILRVVLGANGTYSCLVRNPVLQQDAHSSVTITPQRSPTGAVEVQVPEDPVVALVGTDAT 265

Qy         54 LSCTF--EPDIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVG 111
              | |:|  ||   |: : : |       ||| | ||:|   |   :  |||:| | :  |
Db        266 LRCSFSPEPGFSLAQLNLIWQLTDTKQLVHSFTEGRD----QGSAYANRTALFPDLLAQG 321

Qy        112 NASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGA-FSMPEVNVDYN-----ASSET 165
              ||||||:.|:: | |:: |: :: :  |:| :  :  | :| | : :: |       : |
Db        322 NASLRLQRVRVADEGSFTCF-VSIRDFGSAAVSLQVAAPYSKPSMTLEPNKDLRPGDTVT 380

Qy        166 LRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVT-INNTYS 224
              : | : | :|:  | |  |  ||   :    || :: :|    | |||  |   | |||
Db        381 ITCSSYRGYPEAEVFW--QDGQGVPLTGNVTTS-QMANEQGLFDVHSVLRVVLGANGTYS 437

Qy        225 CMIENDIAK--ATGDIKVT 241
              |:: | : :  | | : :|
Db        438 CLVRNPVLQQDAHGSVTIT 456


RESULT 12
US-09-910-174B-28
; Sequence 28, Application US/09910174B
; Patent No. 6630575
; GENERAL INFORMATION:
;  APPLICANT: Coyle, Anthony J.
;  APPLICANT:  Fraser, Christopher C.
;  APPLICANT:  Manning, Stephen
;  TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7
;  TITLE OF INVENTION:  Family and Uses Thereof
;  FILE REFERENCE: 35800/236924
;  CURRENT APPLICATION NUMBER: US/09/910,174B
;  CURRENT FILING DATE:  2001-07-20
;  PRIOR APPLICATION NUMBER: US 09/620,461
;  PRIOR FILING DATE: 2000-07-20
;  NUMBER OF SEQ ID NOS: 32
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 28
;   LENGTH: 315
;   TYPE: PRT
;   ORGANISM: Mus musculus
US-09-910-174B-28

  Query Match             16.7%;  Score 238.5;  DB 4;  Length 315;
  Best Local Similarity   26.9%;  Pred. No. 5.9e-16;
  Matches   65;  Conservative   46;  Mismatches  112;  Indels   19;  Gaps    7;

Qy         10 WSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTF--EPDIKLSDI 67
              |   |: : :  |:  ::   ::|   : |:       :  | | |:|  ||   |: :
Db          5 WGGPSVGVCVRTALG-VLCLCLTGAVEVQVSEDPVVALVDTDATLRCSFSPEPGFSLAQL 63

Qy         68 VIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGT 127
              : |       ||| | ||:|   |   :  |||:| | :: |||||||: |::|| |:
Db         64 NLIWQLTDTKQLVHSFTEGRD----QGSAYSNRTALFPDLLVQGNASLRLQRVRVTDEGS 119

Qy        128 YKCYIITSKGKGNANLEYKTGAFSMPEVNVDYN-----ASSETLRCEAPRWFPQPTVVWA 182
              | |::       |       :| | : :: |       :  |: | : : :|:  | |
Db        120 YTCFVSIQDFDSAAVSLQVAAPYSKPSMTLEPNKDLRPGNMVTITCSSYQGYPEAEVFW- 178

Qy        183 SQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVT-INNTYSCMIENDIAK--ATGDIK 239
              |       | : :: :|     | |||  |   | ||||:: | : :  | | :
Db        179 ---KDGQGVPLTGNVTSQMANERGLFDVHSVLRVVLGANGTYSCLVRNPVLQQDAHGSVT 235

Qy        240 VT 241
              :|
Db        236 IT 237


RESULT 13
US-09-620-461-28
; Sequence 28, Application US/09620461
; Patent No. 6635750
; GENERAL INFORMATION:
;  APPLICANT:  Coyle, Anthony J.
;  APPLICANT:  Fraser, Christopher C.
;  APPLICANT:  Manning, Stephen
;  TITLE OF INVENTION:  B7-H2 Molecules, No. 6635750el Members of the B7
;  TITLE OF INVENTION:  Family and Uses Thereof
;  FILE REFERENCE:  5800-149
;  CURRENT APPLICATION NUMBER: US/09/620,461
;  CURRENT FILING DATE:  2000-07-20
;  NUMBER OF SEQ ID NOS:  29
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 28
;   LENGTH: 315
;   TYPE: PRT
;   ORGANISM: Mus
US-09-620-461-28

  Query Match             16.7%;  Score 238.5;  DB 4;  Length 315;
  Best Local Similarity   26.9%;  Pred. No. 5.9e-16;
  Matches   65;  Conservative   46;  Mismatches  112;  Indels   19;  Gaps    7;

Qy         10 WSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTF--EPDIKLSDI 67
              |   |: : :  |:  ::   ::|   : |:       :  | | |:|  ||   |: :
Db          5 WGGPSVGVCVRTALG-VLCLCLTGAVEVQVSEDPVVALVDTDATLRCSFSPEPGFSLAQL 63

Qy         68 VIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGT 127
              : |       ||| | ||:|   |   :  |||:| | :: |||||||: |::|| |:
Db         64 NLIWQLTDTKQLVHSFTEGRD----QGSAYSNRTALFPDLLVQGNASLRLQRVRVTDEGS 119

Qy        128 YKCYIITSKGKGNANLEYKTGAFSMPEVNVDYN-----ASSETLRCEAPRWFPQPTVVWA 182
              | |::       |       :| | : :: |       :  |: | : : :|:  | |
Db        120 YTCFVSIQDFDSAAVSLQVAAPYSKPSMTLEPNKDLRPGNMVTITCSSYQGYPEAEVFW- 178

Qy        183 SQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVT-INNTYSCMIENDIAK--ATGDIK 239
              |       | : :: :|     | |||  |   | ||||:: | : :  | | :
Db        179 ---KDGQGVPLTGNVTSQMANERGLFDVHSVLRVVLGANGTYSCLVRNPVLQQDAHGSVT 235

Qy        240 VT 241
              :|
Db        236 IT 237


RESULT 14
US-09-910-174B-18
; Sequence 18, Application US/09910174B
; Patent No. 6630575
; GENERAL INFORMATION:
;  APPLICANT: Coyle, Anthony J.
;  APPLICANT:  Fraser, Christopher C.
;  APPLICANT:  Manning, Stephen
;  TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7
;  TITLE OF INVENTION:  Family and Uses Thereof
;  FILE REFERENCE: 35800/236924
```

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;  CURRENT APPLICATION NUMBER: US/09/910,174B
;  CURRENT FILING DATE:  2001-07-20
;  PRIOR APPLICATION NUMBER: US 09/620,461
;  PRIOR FILING DATE: 2000-07-20
;  NUMBER OF SEQ ID NOS: 32
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
;   LENGTH: 513
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-910-174B-18

  Query Match             15.6%;  Score 223;  DB 4;  Length 513;
  Best Local Similarity   26.4%;  Pred. No. 5e-14;
  Matches   69;  Conservative   44;  Mismatches  108;  Indels   40;  Gaps   10;

Qy         35 HSITVTTVASAGNI----GEDGILSCTFEPDIKLSDIVIQWLKEGVLGLVHEFKEGKDEL 90
              ||   : :  :| |    |||  | |   | :    : ::|:   :  :|: : :||:
Db         27 HSAQFSVLGPSGPILAMVGEDADLPCHLFPTMSAETMELKWVSSSLRQVVNVYADGKEVE 86

Qy         91 SEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGAF 150
                |   :||||::  | :  | |:||: ||  :|:| | ||          | :| | |
Db         87 DRQSAPYRGRTSILRDGITAGKAALRIHNVTASDSGKYLCYFQDGDFYEKALVELKVAAL 146

Qy        151 SMPEVNVD---YNASSETLRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVT 207
               :::||    |       | | :  |:||| : |::  ::| |   :       : :: |
Db        147 G-SDLHVDVKGYKDGGIHLECRSTGWYPQPQIQWSN--NKGEN---IPTVEAPVVADGVG 200

Qy        208 MKVV--SVLYNVTINNTYSCMIENDIAKATGDIKVTESEIKRRSHLQLLNSKASLCVSS- 264
              :  |  ||:   :     || |                || |  |   ||: ::
Db        201 LYAVAASVIMRGSSGEGVSCTI-------------------RSSLLGLEKTASISIADP 240

Qy        265 FF--AISW--ALLPLSPYLML 281
              ||  |  |  ||    | |:|
Db        241 FFRSAQRWIAALARTLPVLLL 261


RESULT 15
US-09-620-461-18
; Sequence 18, Application US/09620461
; Patent No. 6635750
; GENERAL INFORMATION:
;  APPLICANT:  Coyle, Anthony J.
;  APPLICANT:  Fraser, Christopher C.
;  APPLICANT:  Manning, Stephen
;  TITLE OF INVENTION:  B7-H2 Molecules, No. 6635750el Members of the B7
;  TITLE OF INVENTION:  Family and Uses Thereof
;  FILE REFERENCE:  5800-149
;  CURRENT APPLICATION NUMBER: US/09/620,461
;  CURRENT FILING DATE:  2000-07-20
;  NUMBER OF SEQ ID NOS:  29
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 18
;   LENGTH: 513
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-620-461-18

  Query Match             15.6%;  Score 223;  DB 4;  Length 513;
  Best Local Similarity   26.4%;  Pred. No. 5e-14;
  Matches   69;  Conservative   44;  Mismatches  108;  Indels   40;  Gaps   10;

Qy         35 HSITVTTVASAGNI----GEDGILSCTFEPDIKLSDIVIQWLKEGVLGLVHEFKEGKDEL 90
              ||   : :  :| |    |||  | |   | :    : ::|:   :  :|: : :||:
Db         27 HSAQFSVLGPSGPILAMVGEDADLPCHLFPTMSAETMELKWVSSSLRQVVNVYADGKEVE 86

Qy         91 SEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGAF 150
                |   :||||::  | :  | |:||: ||  :|:| | ||          | :| | |
Db         87 DRQSAPYRGRTSILRDGITAGKAALRIHNVTASDSGKYLCYFQDGDFYEKALVELKVAAL 146

Qy        151 SMPEVNVD---YNASSETLRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVT 207
               :::||    |       | | :  |:||| : |::  ::| |   :       : :: |
Db        147 G-SDLHVDVKGYKDGGIHLECRSTGWYPQPQIQWSN--NKGEN---IPTVEAPVVADGVG 200

Qy        208 MKVV--SVLYNVTINNTYSCMIENDIAKATGDIKVTESEIKRRSHLQLLNSKASLCVSS- 264
              :  |  ||:   :     || |                || |  |   ||: ::
Db        201 LYAVAASVIMRGSSGEGVSCTI-------------------RSSLLGLEKTASISIADP 240

Qy        265 FF--AISW--ALLPLSPYLML 281
              ||  |  |  ||    | |:|
Db        241 FFRSAQRWIAALARTLPVLLL 261


Search completed: April 19, 2005, 07:17:34
Job time : 30 secs
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: April 19, 2005, 04:13:09 ; Search time 85 Seconds
(without alignments)
1698.898 Million cell updates/sec

Title: US-10-773-715-6
Perfect score: 1431
Sequence: 1 MASLGQILFWSIISIIIILA.....SSFFAISWALLPLSPYLMLK 282

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1612378 seqs, 512079187 residues

Total number of hits satisfying chosen parameters: 1612378

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : UniProt_03:*
1: uniprot_sprot:*
2: uniprot_trembl:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1431	100.0	282	2	Q7Z7D3	Q7z7d3 homo sapien
2	1425	99.6	282	2	Q9H6B2	Q9h6b2 homo sapien
3	1261.5	88.2	283	2	Q7TPH5	Q7tph5 mus musculu
4	1257.5	87.9	283	2	Q7TSP5	Q7tsp5 mus musculu
5	1253.5	87.6	283	2	Q8K091	Q8k091 mus musculu
6	958	66.9	187	2	Q6P097	Q6p097 homo sapien
7	512	35.8	285	2	Q7ZY30	Q7zy30 xenopus lae
8	493.5	34.5	276	2	Q640S5	Q640s5 xenopus tro
9	448	31.3	275	2	Q8AVV1	Q8avv1 xenopus lae
10	276	19.3	465	2	Q640J0	Q640j0 xenopus lae
11	255.5	17.9	305	2	Q6DJ75	Q6dj75 xenopus tro
12	246.5	17.2	316	2	Q9BXR1	Q9bxr1 homo sapien
13	245	17.1	388	2	Q8NC34	Q8nc34 homo sapien
14	245	17.1	493	2	Q6P5Y4	Q6p5y4 homo sapien
15	245	17.1	533	2	Q8NCB6	Q8ncb6 homo sapien
16	245	17.1	534	2	Q8NBI8	Q8nbi8 homo sapien
17	240.5	16.8	316	2	Q6UXI2	Q6uxi2 homo sapien
18	235	16.4	316	2	Q8VE98	Q8ve98 mus musculu
19	232	16.2	316	2	Q7TPB4	Q7tpb4 rattus norv
20	225.5	15.8	466	2	Q6UXE8	Q6uxe8 homo sapien
21	225	15.7	220	2	Q9NWQ6	Q9nwq6 homo sapien
22	225	15.7	414	2	Q9UM44	Q9um44 homo sapien
23	223	15.6	495	2	Q9HCY1	Q9hcy1 homo sapien
24	223	15.6	513	2	O00481	O00481 homo sapien
25	222.5	15.5	347	2	Q9H730	Q9h730 homo sapien
26	222.5	15.5	500	2	Q6UX41	Q6ux41 homo sapien
27	219.5	15.3	286	2	O46535	O46535 bos taurus
28	217	15.2	280	2	O73716	O73716 grus americ
29	215.5	15.1	304	2	Q9BE26	Q9be26 macaca fasc
30	215.5	15.1	526	1	BUTY_BOVIN	P18892 bos taurus
31	215.5	15.1	731	2	P78409	P78409 homo sapien
32	213.5	14.9	584	2	O00478	O00478 homo sapien
33	211.5	14.8	526	1	BUTY_HUMAN	Q13410 homo sapien
34	209.5	14.6	526	2	Q9H458	Q9h458 homo sapien
35	208.5	14.6	334	2	Q9NR44	Q9nr44 homo sapien
36	207.5	14.5	319	2	O00477	O00477 homo sapien
37	207.5	14.5	332	2	Q9BU81	Q9bu81 homo sapien
38	207.5	14.5	334	2	Q76PA0	Q76pa0 homo sapien
39	207.5	14.5	357	2	O15338	O15338 homo sapien
40	207.5	14.5	359	2	P78410	P78410 homo sapien
41	204	14.3	350	2	Q99420	Q99420 homo sapien
42	199.5	13.9	290	2	Q9EP73	Q9ep73 mus musculu
43	196.5	13.7	492	2	Q8C0U8	Q8c0u8 mus musculu
44	196	13.7	296	2	O42404	O42404 gallus gall
45	195.5	13.7	275	2	Q9JK39	Q9jk39 mus musculu

ALIGNMENTS

RESULT 1
Q7Z7D3
ID Q7Z7D3 PRELIMINARY; PRT; 282 AA.
AC Q7Z7D3;
DT 01-OCT-2003 (TrEMBLrel. 25, Created)
DT 01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
DT 25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
DE Immune costimulatory protein B7-H4 (T cell costimulatory molecule B7x)
DE (B7h.5).
GN Name=B7-H4; ORFNames=UNQ659;
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Sica G.L., Choi I.-H., Zhu G., Tamada K., Wang S.-D., Tamura H.,
RA Chapoval A.I., Flies D.B., Bajorath J., Chen L.;
RL Submitted (APR-2003) to the EMBL/GenBank/DDBJ databases.
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=22833980; PubMed=12920180; DOI=10.1073/pnas.1434299100;
RA Zang X., Loke P., Kim J., Murphy K., Waitz R., Allison J.P.;
RT "B7x: a widely expressed B7 family member that inhibits T cell
RT activation.";
RL Proc. Natl. Acad. Sci. U.S.A. 100:10388-10392(2003).
RN [3]
RP SEQUENCE FROM N.A.
RX MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;
RA Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D., Brush J.,
RA Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P.,
RA Eaton D., Foster J., Grimaldi C., Gu Q., Hass P.E., Heldens S.,
RA Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J.,
RA Lewis L., Liao D., Mark M., Robbie E., Sanchez C., Schoenfeld J.,
RA Seshagiri S., Simmons L., Singh J., Smith V., Stinson J., Vagts A.,
RA Vandlen R., Watanabe C., Wieand D., Woods K., Xie M.H., Yansura D.,
RA Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A., Wood W.I.,
RA Godowski P.;
RT "The secreted protein discovery initiative (SPDI), a large-scale
RT effort to identify novel human secreted and transmembrane proteins: a
RT bioinformatics assessment.";
RL Genome Res. 13:2265-2270(2003).
RN [4]
RP SEQUENCE FROM N.A.
RC TISSUE=Brain;
RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

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RA   Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA   Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA   Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA   Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA   Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA   Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA   Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA   Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA   Jones S.J., Marra M.A.;
RT   "Generation and initial analysis of more than 15,000 full-length human
RT   and mouse cDNA sequences.";
RL   Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN   [5]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Brain;
RA   Director MGC Project;
RL   Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; AY280972; AAP37283.1; -.
DR   EMBL; AY346100; AAQ24206.1; -.
DR   EMBL; AY358352; AAQ88718.1; -.
DR   EMBL; BC074729; AAH74729.1; -.
DR   HSSP; Q63345; 1PKO.
DR   InterPro; IPR007110; Ig-like.
DR   Pfam; PF00047; ig; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   282 AA;  30878 MW;  1C9C565A9242E78C CRC64;

  Query Match             100.0%;  Score 1431;  DB 2;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-107;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy       61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy      121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy      181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy      241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
            |||||||||||||||||||||||||||||||||||||||||||
Db      241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 2
Q9H6B2
ID   Q9H6B2      PRELIMINARY;      PRT;   282 AA.
AC   Q9H6B2;
DT   01-MAR-2001 (TrEMBLrel. 16, Created)
DT   01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
DT   01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE   Hypothetical protein FLJ22418.
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RA   Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S.,
RA   Okitani R., Ota T., Suzuki Y., Obayashi M., Nishi T., Shibahara T.,
RA   Tanaka T., Nakamura Y., Isogai T., Sugano S.;
RL   Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; AK026071; BAB15349.1; -.
DR   HSSP; Q63345; 1PKO.
DR   InterPro; IPR003599; Ig.
DR   InterPro; IPR007110; Ig-like.
DR   SMART; SM00409; IG; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   282 AA;  30893 MW;  6F9066999A1E9DB4 CRC64;

  Query Match             99.6%;  Score 1425;  DB 2;  Length 282;
  Best Local Similarity   99.6%;  Pred. No. 4.7e-107;
  Matches  281;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
            |||||||||||||||||||||||||||||||||||||||||||||||||||| ||||||
Db        1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGIQSCTFEP 60

Qy       61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy      121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy      181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy      241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
            |||||||||||||||||||||||||||||||||||||||||||
Db      241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 3
Q7TPH5
ID   Q7TPH5      PRELIMINARY;      PRT;   283 AA.
AC   Q7TPH5;
DT   01-OCT-2003 (TrEMBLrel. 25, Created)
DT   01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   B7S1.
OS   Mus musculus (Mouse).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX   NCBI_TaxID=10090;
RN   [1]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=22703430; PubMed=12818166; DOI=10.1016/S1074-7613(03)00147-X;
RA   Prasad D.V., Richards S., Mai X.M., Dong C.;
RT   "B7S1, a novel B7 family member that negatively regulates T cell
RT   activation.";
RL   Immunity 18:863-873(2003).
DR   EMBL; AY322147; AAP88965.1; -.
DR   HSSP; Q63345; 1PKO.
DR   InterPro; IPR003599; Ig.
DR   InterPro; IPR007110; Ig-like.
DR   SMART; SM00409; IG; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   283 AA;  30847 MW;  A97F17461857850B CRC64;

  Query Match             88.2%;  Score 1261.5;  DB 2;  Length 283;
  Best Local Similarity   88.0%;  Pred. No. 8e-94;
  Matches  249;  Conservative   13;  Mismatches   20;  Indels    1;  Gaps    1;

Qy        1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
            |||||||:|||||:|||||||||||||||||||:| |||||  ||||||||| |||||||
Db        1 MASLGQIIFWSIINIIIILAGAIALIIGFGISGKHFITVTTFTSAGNIGEDGTLSCTFEP 60

Qy       61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
            ||||: |||||||||: ||||||||||:||:| |||||||||||||:|||||||||||||
Db       61 DIKLNGIVIQWLKEGIKGLVHEFKEGKDDLSQQHEMFRGRTAVFADQVVVGNASLRLKNV 120

Qy      121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
            |||||||  ||| |||||||||||||||||:|||||||:|||||||||||||||||||||
Db      121 QLTDAGTYTCYIRTSKGKGNANLEYKTGAFSMPEINVDYNASSESLRCEAPRWFPQPTVA 180
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Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCV-SSFFAISWALLPLSPYLMLK 282
              |:||:|||| ||||||  | || || ||  |||| ||  |||:
Db        241 TDSEVKRRSQLQLLNSGPSPCVFSSAFAAGWALLSLSCCLMLR 283


RESULT 4
Q7TSP5
ID   Q7TSP5      PRELIMINARY;      PRT;   283 AA.
AC   Q7TSP5;
DT   01-OCT-2003 (TrEMBLrel. 25, Created)
DT   01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
DT   05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE   Immune costimulatory protein B7-H4 (T cell costimulatory molecule
DE   B7x).
OS   Mus musculus (Mouse).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX   NCBI_TaxID=10090;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=BALB/c;
RA   Sica G.L., Choi I.-H., Zhu G., Tamada K., Wang S.-D., Tamura H.,
RA   Chapoval A.I., Flies D.B., Bajorath J., Chen L.;
RL   Submitted (APR-2003) to the EMBL/GenBank/DDBJ databases.
RN   [2]
RP   SEQUENCE FROM N.A.
RC   STRAIN=FVB/N;
RX   MEDLINE=22833980; PubMed=12920180; DOI=10.1073/pnas.1434299100;
RA   Zang X., Loke P., Kim J., Murphy K., Waitz R., Allison J.P.;
RT   "B7x: a widely expressed B7 family member that inhibits T cell
RT   activation.";
RL   Proc. Natl. Acad. Sci. U.S.A. 100:10388-10392(2003).
DR   EMBL; AY280973; AAP37284.1; -.
DR   EMBL; AY346099; AAQ24205.1; -.
DR   HSSP; Q63345; 1PKO.
DR   InterPro; IPR007110; Ig-like.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   283 AA;  30875 MW;  7E2F174618578519 CRC64;

  Query Match           87.9%;  Score 1257.5;  DB 2;  Length 283;
  Best Local Similarity   87.6%;  Pred. No. 1.7e-93;
  Matches  248;  Conservative   13;  Mismatches   21;  Indels    1;  Gaps    1;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              |||||||:|||||:|||||||||||||||||:| |||||  |||||||| |||||||
Db          1 MASLGQIIFWSIINIIIILAGAIALIIGFGISGKHFITVTTFTSAGNIGEDGTLSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||: |||||||||: ||||||||||:||:| ||||||||||||||:||||||||||
Db         61 DIKLNGIVIQWLKEGIKGLVHEFKEGKDDLSQQHEMFRGRTAVFADQVVVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              |||||||| ||| |||||||||||||||||:|||||||:|||||||||||||||||
Db        121 QLTDAGTYTCYIRTSKGKGNANLEYKTGAFSMPEINVDYNASSESLRCEAPRWFPQPTVA 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCV-SSFFAISWALLPLSPYLMLK 282
              |:||:|||| ||||||  | || || |   |||| ||  |||:
Db        241 TDSEVKRRSQLQLLNSGPSPCVFSSAFVAGWALLSLSCCLMLR 283


RESULT 5
Q8K091
ID   Q8K091      PRELIMINARY;      PRT;   283 AA.
AC   Q8K091;
DT   01-OCT-2002 (TrEMBLrel. 22, Created)
DT   01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   Immune costimulatory protein B7-H4.
GN   Name=BC032925;
OS   Mus musculus (Mouse).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX   NCBI_TaxID=10090;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Uterus;
RX   MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA   Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA   Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA   Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA   Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA   Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA   Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA   Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA   Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA   Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA   Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA   Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA   Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA   Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA   Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA   Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA   Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA   Jones S.J., Marra M.A.;
RT   "Generation and initial analysis of more than 15,000 full-length human
RT   and mouse cDNA sequences.";
RL   Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Uterus;
RA   Strausberg R.;
RL   Submitted (JUN-2002) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; BC032925; AAH32925.1; -.
DR   HSSP; Q63345; 1PKO.
DR   MGD; MGI:3039619; BC032925.
DR   InterPro; IPR003599; Ig.
DR   InterPro; IPR007110; Ig-like.
DR   SMART; SM00409; IG; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   283 AA;  30801 MW;  7E58174173234538 CRC64;

  Query Match           87.6%;  Score 1253.5;  DB 2;  Length 283;
  Best Local Similarity   87.3%;  Pred. No. 3.5e-93;
  Matches  247;  Conservative   14;  Mismatches   21;  Indels    1;  Gaps    1;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              |||||||:|||||:|||||||||||||||||:| |||||  |||||||| |||||||
Db          1 MASLGQIIFWSIINIIIILAGAIALIIGFGISGKHFITVTTFTSAGNIGEDGTLSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||: |||||||||: ||||||||||:||:| ||||||||||||||:||||||||||
Db         61 DIKLNGIVIQWLKEGIKGLVHEFKEGKDDLSQQHEMFRGRTAVFADQVVVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              |||||||| ||| :|||||||||||||||||:|||||||:|||||||||||||||||
Db        121 QLTDAGTYTCYIRSSKGKGNANLEYKTGAFSMPEINVDYNASSESLRCEAPRWFPQPTVA 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCV-SSFFAISWALLPLSPYLMLK 282
              |:||:|||| ||||||  | || || |   |||| ||  |||:
Db        241 TDSEVKRRSQLQLLNSGPSPCVSSSAFVAGWALLSLSCCLMLR 283


RESULT 6
Q6P097
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ID   Q6P097      PRELIMINARY;      PRT;   187 AA.
AC   Q6P097;
DT   05-JUL-2004 (TrEMBLrel. 27, Created)
DT   05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
DT   05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE   B7-H4 protein.
GN   Name=B7-H4;
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Prostate;
RX   MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA   Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA   Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA   Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA   Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA   Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA   Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA   Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA   Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA   Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA   Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA   Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA   Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA   Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA   Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA   Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA   Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA   Jones S.J., Marra M.A.;
RT   "Generation and initial analysis of more than 15,000 full-length human
RT   and mouse cDNA sequences.";
RL   Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Prostate;
RA   Strausberg R.;
RL   Submitted (JAN-2004) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; BC065717; AAH65717.1; -.
DR   InterPro; IPR007110; Ig-like.
DR   PROSITE; PS50835; IG_LIKE; 1.
SQ   SEQUENCE   187 AA;  20743 MW;  9AED6155AEED4E63 CRC64;

  Query Match             66.9%;  Score 958;  DB 2;  Length 187;
  Best Local Similarity   100.0%;  Pred. No. 1.7e-69;
  Matches  187;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          96 MFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEV 155
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db           1 MFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEV 60

Qy         156 NVDYNASSETLRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLY 215
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          61 NVDYNASSETLRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLY 120

Qy         216 NVTINNTYSCMIENDIAKATGDIKVTESEIKRRSHLQLLNSKASLCVSSFFAISWALLPL 275
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         121 NVTINNTYSCMIENDIAKATGDIKVTESEIKRRSHLQLLNSKASLCVSSFFAISWALLPL 180

Qy         276 SPYLMLK 282
               |||||||
Db         181 SPYLMLK 187


RESULT 7
Q7ZY30
ID   Q7ZY30      PRELIMINARY;      PRT;   285 AA.
AC   Q7ZY30;
DT   01-JUN-2003 (TrEMBLrel. 24, Created)
DT   01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   LOC398470 protein (Fragment).
GN   Name=LOC398470;
OS   Xenopus laevis (African clawed frog).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
OC   Xenopodinae; Xenopus.
OX   NCBI_TaxID=8355;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Embryo;
RX   MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA   Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA   Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA   Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA   Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA   Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA   Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA   Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA   Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA   Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA   Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA   Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA   Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA   Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA   Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA   Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA   Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA   Jones S.J., Marra M.A.;
RT   "Generation and initial analysis of more than 15,000 full-length human
RT   and mouse cDNA sequences.";
RL   Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Embryo;
RX   MEDLINE=22341132; PubMed=12454917; DOI=10.1002/dvdy.10174;
RA   Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W.,
RA   Richardson P.;
RT   "Genetic and genomic tools for Xenopus research: The NIH Xenopus
RT   initiative.";
RL   Dev. Dyn. 225:384-391(2002).
RN   [3]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Embryo;
RA   Klein S., Strausberg R.;
RL   Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; BC044000; AAH44000.1; -.
DR   HSSP; Q63345; 1PKO.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003598; Ig_c2.
DR   SMART; SM00408; IGc2; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
FT   NON_TER       1       1
SQ   SEQUENCE   285 AA;  30741 MW;  D937490D361B1B34 CRC64;

  Query Match             35.8%;  Score 512;  DB 2;  Length 285;
  Best Local Similarity   40.9%;  Pred. No. 3.5e-33;
  Matches  105;  Conservative   60;  Mismatches   84;  Indels    8;  Gaps    5;

Qy           1 MASLGQILFWSIISIIIILAGAIALIIGFGISG-RHSITVTTVASAGNIGEDGILSCTFE 59
               | :| :|:|  :|::|: |  |: |||| ||:| : :: |:  :  |:| :| ||||||
Db          11 MGTLSKIIFHLMIALIVFLLAALVLIIGIGIAGSKGAVPVSAASLVGHINDDVILSCTFT 70

Qy          60 PDIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKN 119
               ||    |  |:| | |: ||||::::| :||::|:  |||||::|  ||:|||||:|
Db          71 PD-PSQDNDIKWEKVGMSGLVHKYQKGNNELTDQNPAFRGRTSLFLSQVMVGNASLKLSR 129

Qy         120 VQLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTV 179
               |||:| |||:| |  ||| | : : :: | ||   |      |: :| |::| |:||| |
Db         130 VQLSDTGTYRCIISNSKGTGESKMVFRVGDFSTVTVT---QVSNNSLNCDSPSWYPQPNV 186

Qy         180 VWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIK 239
               | |    | | : :: |||:    |  : | | |  | ::  |:|:|  ::|:| ||
Db         187 SWVS--TSGTNLTNLTWTSFQ-PGLNRAVTVRSALREVQLDVQYTCVINTELARAEGDAM 243
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Qy        240 VTESEIKRRSHLQLLNS 256
                :|:|  ::   | |:: :|
Db        244 LTDSGLQTASRLEVFSS 260


RESULT 8
Q640S5
ID   Q640S5      PRELIMINARY;      PRT;   276 AA.
AC   Q640S5;
DT   25-OCT-2004 (TrEMBLrel. 28, Created)
DT   25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
DT   25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
DE   Hypothetical protein.
OS   Xenopus tropicalis (Western clawed frog) (Silurana tropicalis).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
OC   Xenopodinae; Xenopus.
OX   NCBI_TaxID=8364;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Embryo;
RX   PubMed=12477932; DOI=10.1073/pnas.242603899;
RA   Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA   Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA   Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA   Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA   Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA   Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA   Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA   Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA   Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA   Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA   Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA   Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA   Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA   Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA   Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA   Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA   Jones S.J., Marra M.A.;
RT   "Generation and initial analysis of more than 15,000 full-length human
RT   and mouse cDNA sequences.";
RL   Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Embryo;
RA   Klein S., Gerhard D.S.;
RL   Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; BC082514; AAH82514.1; -.
KW   Hypothetical protein.
SQ   SEQUENCE   276 AA;  29455 MW;  4E57AAC40184EB1E CRC64;

  Query Match           34.5%;  Score 493.5;  DB 2;  Length 276;
  Best Local Similarity  40.4%;  Pred. No. 1e-31;
  Matches  111;  Conservative   57;  Mismatches   96;  Indels   11;  Gaps    7;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISG-RHSITVTTVASAGNIGEDGILSCTFE 59
              || :|:::|  :|:||:||   |||||| ||:| : :| || | : | :| || |||
Db          1 MAGIGKVIFRIMIAIIVILVLLIALIIGIGIAGSKITIAVTGVYTVGRISDDVILGCTFI 60

Qy         60 PDIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKN 119
              ||   ::  ||| | |  |:|:::: ||  |::|:  |:|| ::|  ::| ||||||:|
Db         61 PDTTQAN-NIQWEKVGTSGVVYKYENGKSLLNDQNAAFKGRASLFLGEIINGNASLKLTQ 119

Qy        120 VQLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTV 179
              |:|:|||||:| |  ||| |:  | :| | ::   |:   : |::|||| :  |:|:| |
Db        120 VKLSDAGTYRCIITNSKGTGDDTLTFKVGGYTSVSVS---SPSNDTLRCSSSYWYPKPNV 176

Qy        180 VWASQVDQGANFSEVS-NTSPELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDI 238
              |   | ||| : |:  |||     |:|  | : |    ::  |||:|  |:|:| |
Db        177 TWVR--DSGANITNVTIKTSFPPALNNLT-DVTTELSGAQLDVQYSCLIHTDLAQAVGVS 233

Qy        239 KVTESEIKRRSHLQLLNSKASLCVSSFFAISWALL 273
                :||  ::  | | : |    |  :  :  ||||
Db        234 MLTEFGLQTTSELTVFNCTDPLAAT--YLSVWALL 266


RESULT 9
Q8AVV1
ID   Q8AVV1      PRELIMINARY;      PRT;   275 AA.
AC   Q8AVV1;
DT   01-MAR-2003 (TrEMBLrel. 23, Created)
DT   01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   MGC52801 protein.
OS   Xenopus laevis (African clawed frog).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
OC   Xenopodinae; Xenopus.
OX   NCBI_TaxID=8355;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Embryo;
RX   MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA   Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA   Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA   Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA   Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA   Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA   Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA   Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA   Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA   Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA   Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA   Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA   Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA   Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA   Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA   Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA   Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA   Jones S.J., Marra M.A.;
RT   "Generation and initial analysis of more than 15,000 full-length human
RT   and mouse cDNA sequences.";
RL   Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Embryo;
RX   MEDLINE=22341132; PubMed=12454917; DOI=10.1002/dvdy.10174;
RA   Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W.,
RA   Richardson P.;
RT   "Genetic and genomic tools for Xenopus research: The NIH Xenopus
RT   initiative.";
RL   Dev. Dyn. 225:384-391(2002).
RN   [3]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Embryo;
RA   Klein S., Strausberg R.;
RL   Submitted (DEC-2002) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; BC041253; AAH41253.1; -.
DR   HSSP; Q63345; 1PKO.
DR   InterPro; IPR003599; Ig.
DR   InterPro; IPR007110; Ig-like.
DR   SMART; SM00409; IG; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   275 AA;  29751 MW;  5FD1B8FB6BC3A40B CRC64;

  Query Match           31.3%;  Score 448;  DB 2;  Length 275;
  Best Local Similarity  38.0%;  Pred. No. 5e-28;
  Matches  100;  Conservative   57;  Mismatches   98;  Indels    8;  Gaps    5;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISG-RHSITVTTVASAGNIGEDGILSCTFE 59
              |  :|:|:|  :|:||:||   |||||| |::| : :| || | : | :| || |||
Db          1 MPGIGKIIFRIMIAIIVILLLLIALIIGIGVAGNKLTIAVTGVYTVGRISDDAILGCTFI 60

Qy         60 PDIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKN 119
              ||   ::  ||| | |  |:|:::: ||  |: |:  |:|||::|  ::  |||||:|
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Db         61 PDTTQAN-NIQWEKVGTSGVVYKYENGKSLLNGQNADFKGRTSLFISEIKSGNASLKLTQ 119

Qy        120 VQLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTV 179

Db        120 IELSDAGTYKCIITNSKGTGEDTLTFKVGGYTDVVVT---SPSNDTLRCTSSDWYPKPNV 176

Qy        180 VWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIK 239

Db        177 TWESNSED--NITNTIKTTYPPALFNLT-DVTSELHGAQLDVEYTCKIHTVLAQAVGVSM 233

Qy        240 VTESEIKRRSHLQLLNSKASLCV 262

Db        234 LTDFGLQTTARLEVFNSVDPLSV 256


RESULT 10
Q640J0
ID   Q640J0      PRELIMINARY;      PRT;   465 AA.
AC   Q640J0;
DT   25-OCT-2004 (TrEMBLrel. 28, Created)
DT   25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
DT   25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
DE   Hypothetical protein.
OS   Xenopus laevis (African clawed frog).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
OC   Xenopodinae; Xenopus.
OX   NCBI_TaxID=8355;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Embryo;
RX   MEDLINE=22341132; PubMed=12454917; DOI=10.1002/dvdy.10174;
RA   Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W.,
RA   Richardson P.;
RT   "Genetic and genomic tools for Xenopus research: The NIH Xenopus
RT   initiative.";
RL   Dev. Dyn. 225:384-391(2002).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Embryo;
RX   PubMed=12477932; DOI=10.1073/pnas.242603899;
RA   Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA   Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA   Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA   Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA   Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA   Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA   Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA   Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA   Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA   Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA   Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA   Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA   Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA   Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA   Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA   Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA   Jones S.J., Marra M.A.;
RT   "Generation and initial analysis of more than 15,000 full-length human
RT   and mouse cDNA sequences.";
RL   Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN   [3]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Embryo;
RA   Klein S., Gerhard D.S.;
RL   Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; BC082635; AAH82635.1; -.
KW   Hypothetical protein.
SQ   SEQUENCE   465 AA;  52720 MW;  6790941778C39F95 CRC64;

  Query Match           19.3%;  Score 276;  DB 2;  Length 465;
  Best Local Similarity   29.8%;  Pred. No. 8e-14;
  Matches   64;  Conservative   39;  Mismatches  102;  Indels   10;  Gaps    6;

Qy         23 IALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEPDIKLSDIVIQWLKEGVLGLVHE 82

Db          6 VALLFNLSLSFLHFSLSDSVSSA-VLGSSAKLICQFTPVVDAKNVEIRWFTRSFRPYVHQ 64

Qy         83 FKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGKGNAN 142

Db         65 YKNGEDNYREQMEEFRGRTEFLKQDITQGVGTLIISNVTLADEGRYSCFYEFDNRQGEVH 124

Qy        143 LEYKTGAFSM-PEVNV-DYNASSETLRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFE 200

Db        125 VELKVAAMGLNPLISIEDYQQGEITLKCESSGWYPAPAATW---LDESGNNMK---SSVE 178

Qy        201 L-NSENVTMKVVSVLYNVTINNTYSCMIENDIAKA 234

Db        179 INNNENTGLFHVKTALRIASDSKVSCHVRNDLLGA 213


RESULT 11
Q6DJ75
ID   Q6DJ75      PRELIMINARY;      PRT;   305 AA.
AC   Q6DJ75;
DT   25-OCT-2004 (TrEMBLrel. 28, Created)
DT   25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
DT   25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
DE   MGC88971 protein.
GN   Name=MGC88971;
OS   Xenopus tropicalis (Western clawed frog) (Silurana tropicalis).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
OC   Xenopodinae; Xenopus.
OX   NCBI_TaxID=8364;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Whole body;
RX   MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA   Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA   Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA   Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA   Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA   Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA   Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA   Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA   Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA   Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA   Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA   Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA   Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA   Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA   Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA   Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA   Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA   Jones S.J., Marra M.A.;
RT   "Generation and initial analysis of more than 15,000 full-length human
RT   and mouse cDNA sequences.";
RL   Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Whole body;
RA   Klein S., Gerhard D.S.;
RL   Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; BC075308; AAH75308.1; -.
DR   InterPro; IPR003599; Ig.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003596; Ig_v.
DR   SMART; SM00409; IG; 1.
DR   SMART; SM00406; IGv; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   305 AA;  35102 MW;  0E54FA8057EF2944 CRC64;

  Query Match           17.9%;  Score 255.5;  DB 2;  Length 305;
  Best Local Similarity   27.0%;  Pred. No. 2.1e-12;
  Matches   73;  Conservative   45;  Mismatches  133;  Indels   19;  Gaps    7;
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Qy         14 SIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEPDIKLSDIVIQWLK 73
Db          5 SIILLVT---VSLIQMSLSERFQVIPTKSPVTAIVGSSIELNCHLFPEINAEKMEIRWLR 61

Qy         74 EGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCYII 133
Db         62 NSFRPYVHLYLNGEDNYREQMEEFRGRTEFLKQNIGRGIGALTIHKVQLSDQGLYTCYFE 121

Qy        134 TSKGKGNANLEYKTGAFSM-PEVNV-DYNASSETLRCEAPRWFPQPTVVWASQVDQGANF 191
Db        122 SETNHNQAQVELKVAAMGLHPFIWVEDYHDGKITLNCESSGWFPKPMAMWQDETGTRLES 181

Qy        192 SEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAK--ATGDIKVTESEIKR-- 247
Db        182 TEKINVTEETGLFHVTSAI-----RIETQAKISCHVRNDLLEDGKESSIKFAESFYWRVD 236

Qy        248 RSHLQLLNSKASLCVSSFFAISWALLPLSP 277
Db        237 RSGISRF-----VLMASCLAVALIVIGVTP 261


RESULT 12
Q9BXR1
ID   Q9BXR1      PRELIMINARY;      PRT;   316 AA.
AC   Q9BXR1;
DT   01-JUN-2001 (TrEMBLrel. 17, Created)
DT   01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
DT   01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE   Costimulatory molecule.
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=21163383; PubMed=11224528;
RA   Chapoval A.I., Ni J., Lau J.S., Wilcox R.A., Flies D.B., Liu D.,
RA   Dong H., Sica G.L., Zhu G., Tamada K., Chen L.;
RT   "B7-H3: A costimulatory molecule for T cell activation and IFN-gamma
RT   production.";
RL   Nat. Immun. 2:269-274(2001).
DR   EMBL; AF302102; AAK15438.1; -.
DR   HSSP; Q63345; 1PKO.
DR   GO; GO:0008283; P:cell proliferation; NAS.
DR   GO; GO:0006955; P:immune response; NAS.
DR   InterPro; IPR003599; Ig.
DR   InterPro; IPR007110; Ig-like.
DR   Pfam; PF00047; ig; 1.
DR   SMART; SM00409; IG; 2.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   316 AA;  33791 MW;  FF97007F191CCFA1 CRC64;

  Query Match             17.2%;  Score 246.5;  DB 2;  Length 316;
  Best Local Similarity   30.2%;  Pred. No. 1.2e-11;
  Matches   70;  Conservative   44;  Mismatches   99;  Indels   19;  Gaps    9;

Qy         21 GAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTF--EPDIKLSDIVIQWLKEGVLG 78
Db         15 GAALGALWFCLTGALEVQVPEDPVVALVGTDATLCCSFSPEPGFSLAQLNLIWQLTDTKQ 74

Qy         79 LVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGK 138
Db         75 LVHSFAEGQD----QGSAYANRTALFPDLLAQGNASLRLQRVRVADEGSFTCF-VSIRDF 129

Qy        139 GNANLEYKTGA-FSMPEVNVDYN-----ASSETLRCEAPRWFPQPTVVWASQVDQGANFS 192
Db        130 GSAAVSLQVAAPYSKPSMTLEPNKDLRPGDTVTITCSSYRGYPEAEVFW--QDGQGVPLT 187

Qy        193 EVSNTSFELNSENVTMKVVSVLYNVT-INNTYSCMIENDIAK--ATGDIKVT 241
Db        188 GNVTTS-QMANEQGLFDVHSVLRVVLGANGTYSCLVRNPVLQQDAHGSVTIT 238


RESULT 13
Q8NC34
ID   Q8NC34      PRELIMINARY;      PRT;   388 AA.
AC   Q8NC34;
DT   01-OCT-2002 (TrEMBLrel. 22, Created)
DT   01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   Hypothetical protein FLJ90516.
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RA   Isogai T., Ota T., Nishikawa T., Hayashi K., Otsuki T., Sugiyama T.,
RA   Suzuki Y., Nagai K., Sugano S., Ishii S., Kawai-Hio Y., Saito K.,
RA   Yamamoto J., Wakamatsu A., Nakamura Y., Kojima S., Nagahari K.,
RA   Masuho Y., Ono T., Okano K., Yoshikawa Y., Aotsuka S., Sasaki N.,
RA   Hattori A., Okumura K., Iwayanagi T., Ninomiya K.;
RL   Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; AK074997; BAC11344.1; -.
DR   HSSP; Q63345; 1PKO.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003598; Ig_c2.
DR   Pfam; PF00047; ig; 2.
DR   SMART; SM00408; IGc2; 1.
DR   PROSITE; PS50835; IG_LIKE; 3.
SQ   SEQUENCE   388 AA;  41768 MW;  44A59B9E3AB3DCD3 CRC64;

  Query Match             17.1%;  Score 245;  DB 2;  Length 388;
  Best Local Similarity   27.8%;  Pred. No. 2e-11;
  Matches   72;  Conservative   50;  Mismatches  101;  Indels   36;  Gaps   11;

Qy         11 SIISIIIILAGAIALIIGFGI---SGRHSITVTTVAS-------------AGNIGEDGI 53
Db         60 SILRVVLGANGTYSCLVRNPVLQQDAHSSVTITPQRSPTGAVEVQVPEDPVVALVGTDAT 119

Qy         54 LSCTF--EPDIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVG 111
Db        120 LRCSFSPEPGFSLAQLNLIWQLTDTKQLVHSFTEGRD----QGSAYANRTALFPDLLAQG 175

Qy        112 NASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGA-FSMPEVNVDYN-----ASSET 165
Db        176 NASLRLQRVRVADEGSFTCF-VSIRDFGSAAVSLQVAAPYSKPSMTLEPNKDLRPGDTVT 234

Qy        166 LRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVT-INNTYS 224
Db        235 ITCSSYRGYPEAEVFW--QDGQGVPLTGNVTTS-QMANEQGLFDVHSVLRVVLGANGTYS 291

Qy        225 CMIENDIAK--ATGDIKVT 241
Db        292 CLVRNPVLQQDAHGSVTIT 310


RESULT 14
Q6P5Y4
ID   Q6P5Y4      PRELIMINARY;      PRT;   493 AA.
AC   Q6P5Y4;
DT   05-JUL-2004 (TrEMBLrel. 27, Created)
DT   05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
DT   05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE   Hypothetical protein.
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Lung;
RX   MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA   Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA   Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
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RA   Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA   Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA   Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA   Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA   Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA   Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA   Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA   Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA   Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA   Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA   Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA   Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA   Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA   Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA   Jones S.J., Marra M.A.;
RT   "Generation and initial analysis of more than 15,000 full-length human
RT   and mouse cDNA sequences.";
RL   Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Lung;
RA   Strausberg R.;
RL   Submitted (NOV-2003) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; BC062581; AAH62581.1; -.
DR   InterPro; IPR003599; Ig.
DR   InterPro; IPR007110; Ig-like.
DR   InterPro; IPR003597; Ig_c1.
DR   InterPro; IPR003598; Ig_c2.
DR   InterPro; IPR003596; Ig_v.
DR   Pfam; PF00047; ig; 2.
DR   SMART; SM00409; IG; 4.
DR   SMART; SM00407; IGc1; 2.
DR   SMART; SM00408; IGc2; 4.
DR   SMART; SM00406; IGv; 2.
DR   PROSITE; PS50835; IG_LIKE; 4.
KW   Hypothetical protein.
SQ   SEQUENCE   493 AA;  52761 MW;  CD7C5591CC4822D2 CRC64;

  Query Match             17.1%;  Score 245;  DB 2;  Length 493;
  Best Local Similarity   27.8%;  Pred. No. 2.8e-11;
  Matches   72;  Conservative   50;  Mismatches  101;  Indels   36;  Gaps   11;

Qy         11 SIISIIIILAGAIALIIGFGI---SGRHSITVTTVAS--------------AGNIGEDGI 53
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Qy         54 LSCTF--EPDIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVG 111
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Db        266 LRCSFSPEPGFSLAQLNLIWQLTDTKQLVHSFTEGRD----QGSAYANRTALFPDLLAQG 321

Qy        112 NASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGA-FSMPEVNVDYN-----ASSET 165
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Qy        166 LRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVT-INNTYS 224
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Db        381 ITCSSYRGYPEAEVFW--QDGQGVPLTGNVTTS-QMANEQGLFDVHSVLRVVLGANGTYS 437

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AC   Q8NCB6;
DT   01-OCT-2002 (TrEMBLrel. 22, Created)
DT   01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   Hypothetical protein FLJ90368.
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RA   Isogai T., Ota T., Nishikawa T., Hayashi K., Otsuki T., Sugiyama T.,
RA   Suzuki Y., Nagai K., Sugano S., Ishii S., Kawai-Hio Y., Saito K.,
RA   Yamamoto J., Wakamatsu A., Nakamura Y., Kojima S., Nagahari K.,
RA   Masuho Y., Ono T., Okano K., Yoshikawa Y., Aotsuka S., Sasaki N.,
RA   Hattori A., Okumura K., Iwayanagi T., Ninomiya K.;
RL   Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; AK074849; BAC11243.1; -.
DR   HSSP; Q63345; 1PKO.
DR   InterPro; IPR003599; Ig.
DR   InterPro; IPR007110; Ig-like.
DR   Pfam; PF00047; ig; 2.
DR   SMART; SM00409; IG; 4.
DR   PROSITE; PS50835; IG_LIKE; 4.
SQ   SEQUENCE   533 AA;  57179 MW;  FC7E3E3A84F56A56 CRC64;

  Query Match             17.1%;  Score 245;  DB 2;  Length 533;
  Best Local Similarity   27.8%;  Pred. No. 3.1e-11;
  Matches   72;  Conservative   50;  Mismatches  101;  Indels   36;  Gaps   11;

Qy         11 SIISIIIILAGAIALIIGFGI---SGRHSITVTTVAS--------------AGNIGEDGI 53
              ||: :::    |  : ::   :       |:|:|   |                :| |
Db        206 SILRVVLGANGTYSCLVRNPVLQQDAHSSVTITPQRSPTGAVEVQVPEDPVVALVGTDAT 265

Qy         54 LSCTF--EPDIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVG 111
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Qy        112 NASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGA-FSMPEVNVDYN-----ASSET 165
              ||||||: |:: | |:: |: :: :  |:| :  :  | :| | : :: |       : |
Db        322 NASLRLQRVRVADEGSFTCF-VSIRDFGSAAVSLQVAAPYSKPSMTLEPNKDLRPGDTVT 380

Qy        166 LRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVT-INNTYS 224
              : | : | :|:  | |  |  ||   :    || :: :|     | |||  |   | |||
Db        381 ITCSSYRGYPEAEVFW--QDGQGVPLTGNVTTS-QMANEQGLFDVHSVLRVVLGANGTYS 437

Qy        225 CMIENDIAK--ATGDIKVT 241
              |:: | : :  | | : :|
Db        438 CLVRNPVLQQDAHGSVTIT 456


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Job time : 93 secs
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: April 19, 2005, 07:15:10 ; Search time 488 Seconds
(without alignments)
192.067 Million cell updates/sec

Title: US-10-773-715-6
Perfect score: 1431
Sequence: 1 MASLGQILFWSIISIIIILA.....SSFFAISWALLPLSPYLMLK 282

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1421835 seqs, 332370683 residues

Total number of hits satisfying chosen parameters: 1421835

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1431	100.0	282	9	US-09-778-320-208	Sequence 208, App
2	1431	100.0	282	9	US-09-850-178-33	Sequence 33, Appl
3	1431	100.0	282	9	US-09-877-065-8	Sequence 8, Appli
4	1431	100.0	282	9	US-09-989-722-291	Sequence 291, App
5	1431	100.0	282	9	US-09-989-723-291	Sequence 291, App
6	1431	100.0	282	9	US-09-989-279-291	Sequence 291, App
7	1431	100.0	282	9	US-09-989-727-291	Sequence 291, App
8	1431	100.0	282	9	US-09-910-689-208	Sequence 208, App
9	1431	100.0	282	9	US-09-989-731-291	Sequence 291, App
10	1431	100.0	282	9	US-09-884-441-393	Sequence 393, App
11	1431	100.0	282	9	US-09-989-732-291	Sequence 291, App
12	1431	100.0	282	9	US-09-991-073-291	Sequence 291, App
13	1431	100.0	282	9	US-09-990-442-291	Sequence 291, App
14	1431	100.0	282	9	US-09-991-163-291	Sequence 291, App
15	1431	100.0	282	9	US-09-993-604-291	Sequence 291, App
16	1431	100.0	282	9	US-09-990-456-291	Sequence 291, App
17	1431	100.0	282	9	US-09-989-721-291	Sequence 291, App
18	1431	100.0	282	9	US-09-992-598-291	Sequence 291, App
19	1431	100.0	282	9	US-09-896-738-2	Sequence 2, Appli
20	1431	100.0	282	9	US-09-915-789A-5	Sequence 5, Appli
21	1431	100.0	282	9	US-09-989-293A-291	Sequence 291, App
22	1431	100.0	282	9	US-09-989-735-291	Sequence 291, App
23	1431	100.0	282	9	US-09-990-444-291	Sequence 291, App
24	1431	100.0	282	9	US-09-991-181-291	Sequence 291, App
25	1431	100.0	282	9	US-09-989-730-291	Sequence 291, App
26	1431	100.0	282	9	US-09-990-436-291	Sequence 291, App
27	1431	100.0	282	9	US-09-993-687-291	Sequence 291, App
28	1431	100.0	282	10	US-09-989-734-291	Sequence 291, App
29	1431	100.0	282	10	US-09-997-653-291	Sequence 291, App
30	1431	100.0	282	10	US-09-989-724-291	Sequence 291, App
31	1431	100.0	282	10	US-09-989-728-291	Sequence 291, App
32	1431	100.0	282	10	US-09-990-441-291	Sequence 291, App
33	1431	100.0	282	10	US-09-993-667-291	Sequence 291, App
34	1431	100.0	282	10	US-09-997-428-291	Sequence 291, App
35	1431	100.0	282	10	US-09-997-666-291	Sequence 291, App
36	1431	100.0	282	10	US-09-990-438-291	Sequence 291, App
37	1431	100.0	282	10	US-09-990-562-291	Sequence 291, App
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39	1431	100.0	282	10	US-09-989-726-291	Sequence 291, App
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41	1431	100.0	282	10	US-09-990-437-291	Sequence 291, App
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44	1431	100.0	282	10	US-09-997-573-291	Sequence 291, App
45	1431	100.0	282	10	US-09-991-172-291	Sequence 291, App

ALIGNMENTS

RESULT 1
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; Sequence 208, Application US/09778320
; Patent No. US20010034052A1
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Day, Craig H.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Mitcham, Jennifer
; APPLICANT: Wang, TongTong
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.491C5
; CURRENT APPLICATION NUMBER: US/09/778,320
; CURRENT FILING DATE: 2001-02-06
; NUMBER OF SEQ ID NOS: 301
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 208
; LENGTH: 282
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-778-320-208

Query Match 100.0%; Score 1431; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
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Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
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Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
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Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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RESULT 2
US-09-850-178-33
; Sequence 33, Application US/09850178
; Patent No. US20020034749A1
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Billing-Medel, Patricia A.
; APPLICANT: Cohen, Maurice
; APPLICANT: Colipitts, Tracey L.
; APPLICANT: Friedman, Paula N.
; APPLICANT: Russell, John C.
; APPLICANT: Granados, Edward N.
; APPLICANT: Hodges, Steven C.
; APPLICANT: Klass, Michael R.
; APPLICANT: Kratochvil, Jon D.
; APPLICANT: Roberts-Rapp, Lisa
; APPLICANT: Stroupe, Stephen D.
; APPLICANT: Gordon, Juliano
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
; TITLE OF INVENTION: DETECTING DISEASES OF THE BREAST
; FILE REFERENCE: 6251.US.P1
; CURRENT APPLICATION NUMBER: US/09/850,178
; CURRENT FILING DATE: 2001-05-07
; PRIOR APPLICATION NUMBER: US 08/972,376
; PRIOR FILING DATE: 1997-11-18
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 33
; LENGTH: 282
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-850-178-33

Query Match 100.0%; Score 1431; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
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Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
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Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
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Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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RESULT 3

US-09-877-065-8
; Sequence 8, Application US/09877065
; Patent No. US20020051990A1
; GENERAL INFORMATION:
; APPLICANT: OPLE, ERIC
; APPLICANT: MCLACHLAN, KAREN
; APPLICANT: HEARD, CHERYL J.
; TITLE OF INVENTION: NOVEL GENE TARGETS AND LIGANDS THAT BIND THERETO FOR
; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF OVARIAN CARCINOMAS
; FILE REFERENCE: 037003-0280631
; CURRENT APPLICATION NUMBER: US/09/877,065
; CURRENT FILING DATE: 2001-06-11
; PRIOR APPLICATION NUMBER: 60/210,451
; PRIOR FILING DATE: 2000-06-09
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 282
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-877-065-8

Query Match 100.0%; Score 1431; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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RESULT 4
US-09-989-722-291
; Sequence 291, Application US/09989722
; Patent No. US20020072067A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C63
; CURRENT APPLICATION NUMBER: US/09/989,722
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
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; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
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; PRIOR FILING DATE: 1998-06-26
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; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
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; PRIOR FILING DATE: 1998-07-01
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 1431; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
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Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
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Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
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Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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RESULT 5
US-09-989-723-291
; Sequence 291, Application US/09989723
; Patent No. US20020072092A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C62
; CURRENT APPLICATION NUMBER: US/09/989,723
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR APPLICATION NUMBER: 60/075945
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; PRIOR APPLICATION NUMBER: 60/078910
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; PRIOR APPLICATION NUMBER: 60/083322
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; PRIOR FILING DATE: 1998-06-03
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; PRIOR FILING DATE: 1998-06-04
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; PRIOR APPLICATION NUMBER: 60/088738
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; PRIOR FILING DATE: 1998-06-18
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; PRIOR FILING DATE: 1998-06-18
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 1431; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 6
US-09-989-279-291
; Sequence 291, Application US/09989279
; Patent No. US20020072496A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David

; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
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; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C56
; CURRENT APPLICATION NUMBER: US/09/989,279
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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;  PRIOR FILING DATE: 1998-07-09

  Query Match           100.0%;  Score 1431;  DB 9;  Length 282;
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Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

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RESULT 7
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; Sequence 291, Application US/09989727
; Patent No. US20020072497A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
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;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
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;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C65
;  CURRENT APPLICATION NUMBER: US/09/989,727
;  CURRENT FILING DATE:  2001-11-19
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Query Match 100.0%; Score 1431; DB 9; Length 282;
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Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
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Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
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Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              ||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 8
US-09-910-689-208
; Sequence 208, Application US/09910689
; Patent No. US20020081609A1
; GENERAL INFORMATION:
;  APPLICANT: Dillon, Davin C.
;  APPLICANT:  Day, Craig H.
;  APPLICANT:  Jiang, Yuqiu
;  APPLICANT:  Houghton, Raymond L.
;  APPLICANT:  Mitcham, Jennifer
;  APPLICANT:  Wang, Tongtong
;  APPLICANT:  McNeill, Patricia D.
;  APPLICANT:  Harlocker, Susan L.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
;  TITLE OF INVENTION:  DIAGNOSIS OF BREAST CANCER
;  FILE REFERENCE: 210121.491C6
;  CURRENT APPLICATION NUMBER: US/09/910,689
;  CURRENT FILING DATE:  2001-07-20
;  NUMBER OF SEQ ID NOS: 307
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 208
;   LENGTH: 282
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-910-689-208

  Query Match            100.0%;  Score 1431;  DB 9;  Length 282;
  Best Local Similarity  100.0%;  Pred. No. 2.7e-112;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
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Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 9
US-09-989-731-291
; Sequence 291, Application US/09989731
; Patent No. US20020103125A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C70
;  CURRENT APPLICATION NUMBER: US/09/989,731
;  CURRENT FILING DATE:  2001-11-20
;  PRIOR APPLICATION NUMBER: 60/049787
;  PRIOR FILING DATE: 1997-06-16
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/065186
;  PRIOR FILING DATE: 1997-11-12
;  PRIOR APPLICATION NUMBER: 60/065311
;  PRIOR FILING DATE: 1997-11-13
;  PRIOR APPLICATION NUMBER: 60/066770
;  PRIOR FILING DATE: 1997-11-24
;  PRIOR APPLICATION NUMBER: 60/075945
;  PRIOR FILING DATE: 1998-02-25
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/083322
;  PRIOR FILING DATE: 1998-04-28
;  PRIOR APPLICATION NUMBER: 60/084600
;  PRIOR FILING DATE: 1998-05-07
;  PRIOR APPLICATION NUMBER: 60/087106
;  PRIOR FILING DATE: 1998-05-28
;  PRIOR APPLICATION NUMBER: 60/087607
;  PRIOR FILING DATE: 1998-06-02
;  PRIOR APPLICATION NUMBER: 60/087609
;  PRIOR FILING DATE: 1998-06-02
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;  PRIOR FILING DATE: 1998-06-05
;  PRIOR APPLICATION NUMBER: 60/088217
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; PRIOR FILING DATE: 1998-06-05
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
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; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 1431; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
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Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
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Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
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Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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RESULT 10
US-09-884-441-393
; Sequence 393, Application US/09884441

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; Patent No. US20020119158A1
; GENERAL INFORMATION:
;  APPLICANT: Algate, Paul A.
;  APPLICANT:  Carter, Darrick
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
;  TITLE OF INVENTION:  DIAGNOSIS OF OVARIAN CANCER
;  FILE REFERENCE: 210121.462C7
;  CURRENT APPLICATION NUMBER: US/09/884,441
;  CURRENT FILING DATE:  2001-06-18
;  NUMBER OF SEQ ID NOS: 489
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 393
;   LENGTH: 282
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-884-441-393

  Query Match           100.0%;  Score 1431;  DB 9;  Length 282;
  Best Local Similarity  100.0%;  Pred. No. 2.7e-112;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
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Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
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Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              ||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 11
US-09-989-732-291
; Sequence 291, Application US/09989732
; Patent No. US20020123463A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C57
;  CURRENT APPLICATION NUMBER: US/09/989,732
;  CURRENT FILING DATE:  2001-11-19
;  PRIOR APPLICATION NUMBER: 60/049787
;  PRIOR FILING DATE: 1997-06-16
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/065186
;  PRIOR FILING DATE: 1997-11-12
;  PRIOR APPLICATION NUMBER: 60/065311
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;  PRIOR APPLICATION NUMBER: 60/066770
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;  PRIOR APPLICATION NUMBER: 60/087106
;  PRIOR FILING DATE: 1998-05-28
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 1431; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 12
US-09-991-073-291
; Sequence 291, Application US/09991073
; Patent No. US20020127576A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
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; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.

; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C15
; CURRENT APPLICATION NUMBER: US/09/991,073
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
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;  PRIOR FILING DATE: 1998-07-09

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RESULT 13
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; Sequence 291, Application US/09990442
; Patent No. US20020132252A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C8
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;  CURRENT FILING DATE:  2001-11-14
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Query Match 100.0%; Score 1431; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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RESULT 14
US-09-991-163-291
; Sequence 291, Application US/09991163
; Patent No. US20020132253A1

; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C17
; CURRENT APPLICATION NUMBER: US/09/991,163
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 1431; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 15
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; Patent No. US20020137075A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C25
; CURRENT APPLICATION NUMBER: US/09/993,604
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 1431; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
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Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Search completed: April 19, 2005, 07:30:09
Job time : 492 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 19, 2005, 01:25:19 ; Search time 90 Seconds
(without alignments)
1211.849 Million cell updates/sec

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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2105692 seqs, 386760381 residues

Total number of hits satisfying chosen parameters: 2105692

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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1: geneseqp1980s:*
2: geneseqp1990s:*
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4: geneseqp2001s:*
5: geneseqp2002s:*
6: geneseqp2003as:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	1431	100.0	282	4	AAB87555	Aab87555 Human PRO
5	1431	100.0	282	4	AAB99204	Aab99204 Human ova
6	1431	100.0	282	4	AAB65242	Aab65242 Human PRO
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8	1431	100.0	282	5	ABG96445	Abg96445 Human ova
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14	1431	100.0	282	5	AAE18336	Aae18336 Human B7-
15	1431	100.0	282	5	ABB09879	Abb09879 Amino aci
16	1431	100.0	282	5	AAE19013	Aae19013 Human B7-
17	1431	100.0	282	6	ABU58508	Abu58508 Human PRO
18	1431	100.0	282	6	ABU88056	Abu88056 Novel hum
19	1431	100.0	282	6	ABU84371	Abu84371 Human sec
20	1431	100.0	282	6	ABR66245	Abr66245 Human sec
21	1431	100.0	282	6	ABR65635	Abr65635 Human sec
22	1431	100.0	282	6	ABU99575	Abu99575 Human sec
23	1431	100.0	282	6	ABU58057	Abu58057 Human PRO
24	1431	100.0	282	6	ABU59135	Abu59135 Novel hum
25	1431	100.0	282	6	ABU82647	Abu82647 Human sec
26	1431	100.0	282	6	ABU82814	Abu82814 Human PRO
27	1431	100.0	282	6	ABU89935	Abu89935 Novel hum
28	1431	100.0	282	6	ABR68184	Abr68184 Human sec
29	1431	100.0	282	6	ABU60566	Abu60566 Human sec
30	1431	100.0	282	6	ABU96237	Abu96237 Novel hum
31	1431	100.0	282	6	ABU92668	Abu92668 Human sec
32	1431	100.0	282	6	ABO08745	Abo08745 Human sec
33	1431	100.0	282	6	ABO02797	Abo02797 Human sec
34	1431	100.0	282	6	ABR74951	Abr74951 Human sec
35	1431	100.0	282	6	ABR94713	Abr94713 Human sec
36	1431	100.0	282	6	ABU13948	Abu13948 Human PRO
37	1431	100.0	282	6	ABU85686	Abu85686 Human PRO
38	1431	100.0	282	6	ABU98846	Abu98846 Novel hum
39	1431	100.0	282	6	ABU98061	Abu98061 Novel hum
40	1431	100.0	282	6	ABU91767	Abu91767 Novel hum
41	1431	100.0	282	6	ABU89460	Abu89460 Human PRO
42	1431	100.0	282	6	ABU86301	Abu86301 Human sec
43	1431	100.0	282	6	ABU67514	Abu67514 Human sec
44	1431	100.0	282	6	ABU80542	Abu80542 Human PRO
45	1431	100.0	282	6	ABU72533	Abu72533 Novel hum

ALIGNMENTS

RESULT 1
AAY66719
ID AAY66719 standard; protein; 282 AA.
XX
AC AAY66719;
XX
DT 05-APR-2000 (first entry)
XX
DE Membrane-bound protein PRO1291.
XX
KW Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;
KW pharmaceutical; receptor immunoadhesin; gene mapping.
XX
OS Homo sapiens.
XX
PN WO9963088-A2.
XX
PD 09-DEC-1999.
XX
PF 02-JUN-1999; 99WO-US012252.
XX
PR 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088722P.
PR 10-JUN-1998; 98US-0088730P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088741P.
PR 10-JUN-1998; 98US-0088742P.
PR 10-JUN-1998; 98US-0088810P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.

PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
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PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089090P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089599P.
PR 17-JUN-1998; 98US-0089600P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089947P.
PR 19-JUN-1998; 98US-0089948P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 23-JUN-1998; 98US-0090349P.
PR 23-JUN-1998; 98US-0090355P.
PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090431P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090445P.
PR 24-JUN-1998; 98US-0090461P.
PR 24-JUN-1998; 98US-0090472P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090538P.
PR 24-JUN-1998; 98US-0090540P.
PR 24-JUN-1998; 98US-0090557P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090691P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 01-JUL-1998; 98US-0091358P.
PR 01-JUL-1998; 98US-0091360P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091486P.
PR 02-JUL-1998; 98US-0091519P.
PR 02-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091633P.
PR 02-JUL-1998; 98US-0091646P.
PR 02-JUL-1998; 98US-0091673P.
PR 07-JUL-1998; 98US-0091978P.
PR 07-JUL-1998; 98US-0091982P.
PR 09-JUL-1998; 98US-0092182P.
PR 10-JUL-1998; 98US-0092472P.
PR 20-JUL-1998; 98US-0093339P.
PR 30-JUL-1998; 98US-0094651P.
PR 04-AUG-1998; 98US-0095282P.
PR 04-AUG-1998; 98US-0095285P.
PR 04-AUG-1998; 98US-0095301P.
PR 04-AUG-1998; 98US-0095302P.
PR 04-AUG-1998; 98US-0095318P.
PR 04-AUG-1998; 98US-0095321P.
PR 04-AUG-1998; 98US-0095325P.
PR 10-AUG-1998; 98US-0095916P.
PR 10-AUG-1998; 98US-0095929P.
PR 10-AUG-1998; 98US-0096012P.
PR 11-AUG-1998; 98US-0096143P.
PR 11-AUG-1998; 98US-0096146P.
PR 12-AUG-1998; 98US-0096329P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096768P.
PR 17-AUG-1998; 98US-0096773P.
PR 17-AUG-1998; 98US-0096791P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096894P.
PR 17-AUG-1998; 98US-0096895P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096950P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0096960P.
PR 18-AUG-1998; 98US-0097022P.
PR 19-AUG-1998; 98US-0097141P.
PR 20-AUG-1998; 98US-0097218P.
PR 24-AUG-1998; 98US-0097661P.
PR 26-AUG-1998; 98US-0097951P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0097978P.
PR 26-AUG-1998; 98US-0097979P.
PR 26-AUG-1998; 98US-0097986P.
PR 26-AUG-1998; 98US-0098014P.
PR 31-AUG-1998; 98US-0098525P.
PR 16-SEP-1998; 98US-0100634P.
PR 12-JAN-1999; 99US-0115565P.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;
PI Wood WI, Yuan J;
XX
DR WPI; 2000-072883/06.
DR N-PSDB; AAZ65059.
XX
PT Membrane-bound proteins and related nucleotide sequences.
XX
PS Claim 12; Fig 208; 822pp; English.
XX
CC The invention provides membrane-bound PRO polypeptides and
CC polynucleotides encoding them. The PRO sequences of the invention were
CC identified based on extracellular domain homology screening. The PRO
CC sequences have homology with proteins including LDL receptors, TIE
CC ligands and various enzymes. The membrane-bound proteins and receptor
CC molecules are useful as pharmaceutical and diagnostic agents. Receptor
CC immunoadhesins, for instance, can be used as therapeutic agents to block
CC receptor-ligand interactions. The membrane-bound proteins can also be
CC employed for screening of potential peptide or small molecule inhibitors
CC of the relevant receptor/ligand interaction. The PRO encoding sequences
CC are useful as hybridization probes, in chromosome and gene mapping and in
CC the generation of antisense RNA and DNA. PRO nucleic acid sequences will
CC also be useful for the preparation of PRO polypeptides, especially by
CC recombinant techniques
XX
SQ Sequence 282 AA;

Query Match 100.0%; Score 1431; DB 3; Length 282;
Best Local Similarity 100.0%; Pred. No. 5.6e-118;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Db 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

```
Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
```

RESULT 2
AAB12557
ID AAB12557 standard; protein; 282 AA.
XX
AC AAB12557;
XX
DT 07-NOV-2000 (first entry)
XX
DE Human ovarian carcinoma antigen O8E protein SEQ ID NO:393.
XX
KW Human; ovarian carcinoma; ovarian cancer; therapy; diagnosis;
KW tumour antigen; identification; cytostatic; gene therapy; vaccine.
XX
OS Homo sapiens.
XX
PN WO200036107-A2.
XX
PD 22-JUN-2000.
XX
PF 17-DEC-1999; 99WO-US030270.
XX
PR 17-DEC-1998; 98US-00215681.
PR 17-DEC-1998; 98US-00216003.
PR 23-JUN-1999; 99US-00338933.
PR 24-SEP-1999; 99US-00404879.
XX
PA (CORI-) CORIXA CORP.
XX
PI Mitcham JL, King GE, Algate PA, Frudakis TN;
XX
DR WPI; 2000-431589/37.
XX
PT Immunogenic portion of an ovarian carcinoma protein and the nucleic acid
PT encoding it, useful for the diagnosis, prevention and treatment of
PT cancer, preferably ovarian cancer.
XX
PS Example 2; Page 207; 299pp; English.
XX
CC The present invention describes an isolated polypeptide comprising an
CC immunogenic portion of an ovarian carcinoma protein (or its variants).
CC Ovarian carcinoma proteins, and polynucleotides encoding them, have
CC cytostatic activity and can be used in gene therapy and vaccines. Ovarian
CC carcinoma polypeptides, nucleic acids, antibodies and vaccines are useful
CC for the prevention, diagnosis and treatment of cancer, preferably ovarian
CC cancer. AAA69691 to AAA70077 and AAB12552 to AAB12557 represent human
CC ovarian carcinoma polynucleotides and proteins used in the
CC exemplification of the present invention
XX
SQ Sequence 282 AA;

Query Match 100.0%; Score 1431; DB 3; Length 282;
Best Local Similarity 100.0%; Pred. No. 5.6e-118;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
```

RESULT 3
AAU29132
ID AAU29132 standard; protein; 282 AA.
XX
AC AAU29132;
XX
DT 18-DEC-2001 (first entry)
XX
DE Human PRO polypeptide sequence #109.
XX
KW PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep;
KW dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;
KW blood; chondrocyte cell; cell proliferation; cell differentiation; colon;
KW adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder.
XX
OS Homo sapiens.
XX
PN WO200168848-A2.
XX
PD 20-SEP-2001.
XX
PF 28-FEB-2001; 2001WO-US006520.
XX
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 03-MAR-2000; 2000US-0187202P.
PR 06-MAR-2000; 2000US-0186968P.
PR 14-MAR-2000; 2000US-0189320P.
PR 14-MAR-2000; 2000US-0189328P.
PR 15-MAR-2000; 2000WO-US006884.
PR 21-MAR-2000; 2000US-0190828P.
PR 21-MAR-2000; 2000US-0191007P.
PR 21-MAR-2000; 2000US-0191048P.
PR 21-MAR-2000; 2000US-0191314P.
PR 28-MAR-2000; 2000US-0192655P.
PR 29-MAR-2000; 2000US-0193032P.
PR 29-MAR-2000; 2000US-0193053P.
PR 30-MAR-2000; 2000WO-US008439.
PR 04-APR-2000; 2000US-0194449P.
PR 04-APR-2000; 2000US-0194647P.
PR 11-APR-2000; 2000US-0195975P.
PR 11-APR-2000; 2000US-0196000P.
PR 11-APR-2000; 2000US-0196187P.
PR 11-APR-2000; 2000US-0196690P.
PR 11-APR-2000; 2000US-0196820P.
PR 18-APR-2000; 2000US-0198121P.
PR 18-APR-2000; 2000US-0198585P.
PR 25-APR-2000; 2000US-0199397P.
PR 25-APR-2000; 2000US-0199550P.
PR 25-APR-2000; 2000US-0199654P.
PR 03-MAY-2000; 2000US-0201516P.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.

```
PR   30-MAY-2000; 2000WO-US014941.
PR   02-JUN-2000; 2000WO-US015264.
PR   05-JUN-2000; 2000US-0209832P.
PR   28-JUL-2000; 2000WO-US020710.
PR   22-AUG-2000; 2000US-00644848.
PR   24-AUG-2000; 2000WO-US023328.
PR   08-NOV-2000; 2000WO-US030952.
PR   01-DEC-2000; 2000WO-US032678.
PR   20-DEC-2000; 2000WO-US034956.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Chen J,  Desnoyers L,  Goddard A,  Godowski PJ,  Gurney AL;
PI   Pan J,  Smith V,  Watanabe CK,  Wood WI,  Zhang Z;
XX
DR   WPI; 2001-602746/68.
DR   N-PSDB; AAS46033.
XX
PT   Novel nucleic acids encoding PRO polypeptides, used to diagnose the
PT   presence of tumors, such as prostate and breast tumors, in mammals and to
PT   screen for modulators of the compounds.
XX
PS   Claim 11; Fig 218; 774pp; English.
XX
CC   Sequences AAU29024-AAU29328 represent PRO polypeptides of the invention.
CC   The PRO polypeptides and their associated nucleic acids can be used to
CC   detect the presence of a tumour in a mammal by comparing the level of
CC   expression of a PRO polypeptide in a test sample of cells from the animal
CC   and a control sample of normal cells, whereby a higher level of
CC   expression in the test sample indicates the presence of a tumour in the
CC   mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats
CC   and rabbits but are preferably human. The polypeptides can be used to
CC   stimulate tumour necrosis factor (TNF) alpha release from human blood,
CC   when contacted with it. A specific polypeptide can be used to stimulate
CC   the proliferation or differentiation of chondrocyte cells. The PRO
CC   proteins can be used to determine the presence of tumours and also
CC   susceptibility to tumour development, particularly adrenal, lung, colon,
CC   breast, prostate, rectal, cervical, or liver tumours, in mammalian
CC   subjects. The oligonucleotide probes specific for the PRO nucleic acids
CC   can be used for genetic analysis of individuals with genetic disorders
XX
SQ   Sequence 282 AA;

  Query Match             100.0%;  Score 1431;  DB 4;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 5.6e-118;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 4
AAB87555
ID   AAB87555 standard; protein; 282 AA.
XX
AC   AAB87555;
XX
DT   15-MAY-2001  (first entry)
XX
DE   Human PRO1291.
XX
KW   Human; PRO protein; mapping.
XX
OS   Homo sapiens.
XX
PN   WO200116318-A2.
XX
PD   08-MAR-2001.
XX
PF   24-AUG-2000; 2000WO-US023328.
XX
PR   01-SEP-1999;   99WO-US020111.
PR   15-SEP-1999;   99WO-US021090.
PR   07-DEC-1999;   99US-0169495P.
PR   09-DEC-1999;   99US-0170262P.
PR   11-JAN-2000; 2000US-0175481P.
PR   18-FEB-2000; 2000WO-US004341.
PR   18-FEB-2000; 2000WO-US004342.
PR   22-FEB-2000; 2000WO-US004414.
PR   01-MAR-2000; 2000WO-US005601.
PR   03-MAR-2000; 2000US-0187202P.
PR   21-MAR-2000; 2000US-0191007P.
PR   30-MAR-2000; 2000WO-US008439.
PR   25-APR-2000; 2000US-0199397P.
PR   22-MAY-2000; 2000WO-US014042.
PR   05-JUN-2000; 2000US-0209832P.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Eaton DL,  Filvaroff E,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi CJ,  Gurney AL,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2001-183260/18.
DR   N-PSDB; AAF92087.
XX
PT   Eighty four nucleic acids encoding PRO polypeptides, useful in molecular
PT   biology, including use as hybridization probes, and in chromosome and
PT   gene mapping.
XX
PS   Claim 12; Fig 60; 278pp; English.
XX
CC   The present sequence is a human PRO polypeptide (secreted and
CC   transmembrane). The PRO protein, and PRO agonists, PRO antagonists or
CC   anti-PRO antibodies are useful for preparation of a medicament useful in
CC   the treatment of a condition which is responsive to the PRO protein,
CC   agonists, antagonists or anti-PRO antibodies. The PRO protein may also be
CC   employed as molecular weight markers for protein electrophoresis. The PRO
CC   coding sequence has applications in molecular biology, including use as
CC   hybridisation probes, and in chromosome and gene mapping
XX
SQ   Sequence 282 AA;

  Query Match             100.0%;  Score 1431;  DB 4;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 5.6e-118;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
```

```
                 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                 ||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 5
AAB99204
ID   AAB99204 standard; protein; 282 AA.
XX
AC   AAB99204;
XX
DT   04-SEP-2001  (first entry)
XX
DE   Human ovarian tumour-derived antigen O8E #1.
XX
KW   Cytostatic; human; breast tumour protein; breast cancer; ovarian tumour;
KW   antigen; O8E.
XX
OS   Homo sapiens.
XX
PN   WO200140269-A2.
XX
PD   07-JUN-2001.
XX
PF   29-NOV-2000; 2000WO-US032520.
XX
PR   30-NOV-1999;   99US-00451651.
PR   22-FEB-2000; 2000US-00510662.
PR   10-MAR-2000; 2000US-00523586.
PR   07-APR-2000; 2000US-00545068.
PR   15-MAY-2000; 2000US-00571025.
XX
PA   (CORI-) CORIXA CORP.
XX
PI   Dillon DC,  Day CH,  Jiang Y,  Houghton RL,  Mitcham JL,  Wang A;
XX
DR   WPI; 2001-356154/37.
DR   N-PSDB; AAH55681.
XX
PT   Breast tumor polypeptides and the nucleic acids that encode them, useful
PT   for the prevention, diagnosis and treatment of breast cancer.
XX
PS   Example 3; Page 190; 221pp; English.
XX
CC   The present invention relates to human breast tumour protein coding
CC   sequences (see AAH55479-AAH55513, AAH55517-AAH55679 and AAH55682-
CC   AAH55762). The breast tumour protein DNA sequences may be used in the
CC   prevention, diagnosis and treatment of diseases associated with
CC   inappropriate expression of the breast tumour protein e.g. breast cancer.
CC   The present sequence is a human ovarian tumour-derived antigen, which was
CC   used in an example from the present invention
XX
SQ   Sequence 282 AA;

  Query Match             100.0%;  Score 1431;  DB 4;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 5.6e-118;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              ||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 6
AAB65242
ID   AAB65242 standard; protein; 282 AA.
XX
AC   AAB65242;
XX
DT   02-APR-2001  (first entry)
XX
DE   Human PRO1291 (UNQ659) protein sequence SEQ ID NO:291.
XX
KW   Human; secreted and transmembrane protein; PRO; cytostatic; cell death;
KW   cancer; chromosomal mapping; gene mapping; tissue typing;
KW   diagnostic assay.
XX
OS   Homo sapiens.
XX
PN   WO200073454-A1.
XX
PD   07-DEC-2000.
XX
PF   30-MAR-2000; 2000WO-US008439.
XX
PR   02-JUN-1999;   99WO-US012252.
PR   23-JUN-1999;   99US-0141037P.
PR   07-JUL-1999;   99US-0143048P.
PR   20-JUL-1999;   99US-0144758P.
PR   26-JUL-1999;   99US-0145698P.
PR   28-JUL-1999;   99US-0146222P.
PR   17-AUG-1999;   99US-0149396P.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   08-OCT-1999;   99US-0158663P.
PR   30-NOV-1999;   99WO-US028313.
PR   01-DEC-1999;   99WO-US028301.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   05-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   02-MAR-2000; 2000WO-US005841.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Ashkenazi AJ,  Baker KP,  Botstein D,  Desnoyers L,  Eaton DL;
PI   Ferrara N,  Fong S,  Gerber H,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi CJ,  Gurney AL,  Kljavin IJ,  Napier MA,  Pan J,  Paoni NF;
PI   Roy MA,  Stewart TA,  Tumas D,  Watanabe CK,  Williams PM,  Wood WI;
PI   Zhang Z;
XX
DR   WPI; 2001-032160/04.
DR   N-PSDB; AAF44205.
XX
PT   PRO polynucleotides used to produce polypeptides used to target bioactive
PT   molecules such as toxins, radiolabels or antibodies, to specific cells,
PT   to cause targeted cell death.
XX
PS   Claim 12; Fig 208; 935pp; English.
XX
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```
CC   The present invention describes human secreted and transmembrane PRO
CC   proteins. The PRO proteins have cytostatic activity. The PRO proteins can
CC   be used for targeted delivery of bioactive molecules, such as toxins,
CC   radiolabels or antibodies, that cause cell death. PRO nucleotide
CC   sequences, and their fragments, can be used as hybridisation probes, in
CC   chromosomal and gene mapping, and in the generation of anti-sense RNA and
CC   DNA. They may also be used to produce transgenic animals which are used
CC   to develop and screen therapeutically useful reagents. The PRO nucleotide
CC   and protein sequence can be used for tissue typing and in treating
CC   cancer. Anti-PRO antibodies can be used in diagnostic assays. AAF44270 to
CC   AAF44470 represent PCR primers and hybridisation probes used in the
CC   isolation of human PRO sequences. AAF44087 to AAF44269 and AAB65154 to
CC   AAB65300 represent human PRO polynucleotide and protein sequences given
CC   in the exemplification of the present invention
XX
SQ   Sequence 282 AA;

  Query Match             100.0%;  Score 1431;  DB 4;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 5.6e-118;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 7
AAE20311
ID   AAE20311 standard; protein; 282 AA.
XX
AC   AAE20311;
XX
DT   18-JUN-2002  (first entry)
XX
DE   Human B7-H8 protein #1.
XX
KW   Human; B7-like protein; inflammation; tissue damage; immune disorder;
KW   Addison's disease; autoimmune haemolytic anaemia; autoimmune thyroiditis;
KW   diabetes mellitus; Crohn's disease; multiple sclerosis; allergy; cancer;
KW   rheumatoid arthritis; cardiovascular disorder; nervous system disorder;
KW   myocardial ischaemia; ulcerative colitis; reproductive system disorder;
KW   Alzheimer's disease; Parkinson's disease; endocrine disorder; hepatitis;
KW   diabetes mellitus; Grave's disease; Paget's disease; liver disorder;
KW   gastrointestinal disorder; irritable bowel syndrome; cerebral anoxia;
KW   dysphagia; hepatomegaly; neurological disease; infectious disease;
KW   epilepsy; gene therapy; B7-H8 protein; chromosome 1.
XX
OS   Homo sapiens.
XX
FH   Key             Location/Qualifiers
FT   Peptide         1. .24
FT                   /label= Signal_peptide
FT   Protein         25. .282
FT                   /note= "Mature B7-H8 protein"
XX
PN   WO200202587-A1.
XX
PD   10-JAN-2002.
XX
PF   29-JUN-2001; 2001WO-US020917.
XX
PR   30-JUN-2000; 2000US-0215135P.
PR   14-AUG-2000; 2000US-0225266P.
XX
PA   (HUMA-) HUMAN GENOME SCI INC.
XX
PI   Fiscella M,  Ni J,  Ruben SM;
XX
DR   WPI; 2002-257198/30.
DR   N-PSDB; AAD32519.
XX
PT   Isolated nucleic acids encoding human B7-like polypeptides, useful for
PT   diagnosis and treatment of e.g. inflammation, cancer, immune disorders
PT   such as Addison's disease, and cardiovascular disorders such as
PT   myocardial ischemias.
XX
PS   Example 1; Fig 1; 493pp; English.
XX
CC   The present invention relates to novel human B7-like polypeptides and
CC   polynucleotides encoding such proteins. Sequences of the invention are
CC   used for preventing, treating or ameliorating a medical condition in a
CC   mammalian subject. The polynucleotides and polypeptides are administered
CC   to subjects having a disorder related to B-7 Like polypeptides, such as
CC   inappropriate or excessive inflammation which can lead to tissue damage
CC   or even death, where the inflammation is brought about by the activation
CC   of certain cells in the body e.g. T cells and may involve disorders
CC   related to immune system. The nucleic acids, proteins, antibodies,
CC   agonists and antagonists of the invention are useful in the diagnosis,
CC   treatment and prevention of cancer (e.g. cancers of the adrenal gland,
CC   bone, bone marrow, breast, gastrointestinal tract, liver, urogenital or
CC   lung), immune disorders (e.g., Addison's disease, allergies, autoimmune
CC   haemolytic anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's
CC   disease, multiple sclerosis, rheumatoid arthritis, ulcerative colitis),
CC   cardiovascular disorders (e.g., myocardial ischaemias), nervous system
CC   disorders (Alzheimer's disease, Parkinson's disease), endocrine disorders
CC   (e.g., diabetes mellitus, Grave's disease), reproductive system disorders
CC   (e.g., cryptorchism, Paget's disease), gastrointestinal disorders (e.g.,
CC   dysphagia, irritable bowel syndrome), liver disorders (e.g., hepatitis,
CC   hepatomegaly), neurological diseases (e.g., cerebral anoxia and epilepsy)
CC   and infectious diseases such as viral, bacterial, fungal and parasitic
CC   infections. Sequences of the invention are also used in gene therapy. The
CC   present sequence is human B7-H8 protein. B7-H8 gene is located on
CC   chromosome 1
XX
SQ   Sequence 282 AA;

  Query Match             100.0%;  Score 1431;  DB 5;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 5.6e-118;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
```

```
RESULT 8
ABG96445
ID   ABG96445 standard; protein; 282 AA.
XX
AC   ABG96445;
XX
DT   11-DEC-2002  (first entry)
XX
DE   Human ovarian cancer marker OV88.
XX
KW   Human; ovarian cancer; marker; cancer; familial history; brain disorder;
KW   central nervous system disorder; bacterial meningitis; viral meningitis;
KW   Alzheimer's disease; Parkinson's disease; cerebral oedema; hydrocephalus;
KW   brain herniation; inflammation; encephalitis; testicular disorder;
KW   nontuberculous granulomatous orchitis; connective tissue disorder;
KW   heart disorder; ischaemic heart disease; atherosclerosis; neoplasm;
KW   histological type; carcinogenic; ovarian cancer marker.
XX
OS   Homo sapiens.
XX
PN   WO200271928-A2.
XX
PD   19-SEP-2002.
XX
PF   14-MAR-2002; 2002WO-US007826.
XX
PR   14-MAR-2001; 2001US-0276025P.
PR   14-MAR-2001; 2001US-0276026P.
PR   10-AUG-2001; 2001US-0311732P.
PR   19-SEP-2001; 2001US-0323580P.
PR   26-SEP-2001; 2001US-0324967P.
PR   26-SEP-2001; 2001US-0325102P.
PR   26-SEP-2001; 2001US-0325149P.
XX
PA   (MILL-) MILLENNIUM PHARM INC.
XX
PI   Monahan JE, Gannavarapu M, Hoersch S, Kamatkar S, Kovatis SG;
PI   Meyers RE, Morrisey MP, Olandt PJ, Sen A, Vieby PO, Mills GB;
PI   Bast RC, Lu K, Schmandt RE, Zhao X, Glatt K;
XX
DR   WPI; 2002-723277/78.
DR   N-PSDB; ABS76544.
XX
PT   Assessing whether a patient is afflicted with ovarian cancer, useful in
PT   assessing the stage or progression of the disease, comprises comparing
PT   the expression level of a cancer marker in a sample from a patient and
PT   from a non cancer patient.
XX
PS   Disclosure; Page 468-469; 481pp; English.
XX
CC   The present invention relates to a new method for assessing whether a
CC   patient is afflicted with ovarian cancer. The method involves comparing
CC   the expression level of a marker in a patient sample and the normal level
CC   of expression of the marker in a control non-ovarian cancer sample, where
CC   the marker is selected from 363 cancer markers described in the
CC   specification. The method of the invention is useful in diagnosing or
CC   characterising cancer, in detecting the presence of cancer as early as
CC   possible, and the recurrence of ovarian cancer. The method may also be of
CC   particular use with patients having an enhanced risk of developing
CC   ovarian cancer (e.g. patients having a familial history of ovarian
CC   cancer). The cancer markers may be used in the management and treatment
CC   of e.g. brain and central nervous system disorders (e.g. bacterial and
CC   viral meningitis, Alzheimer's disease or Parkinson's disease), brain
CC   disorders (e.g. cerebral oedema, hydrocephalus or brain herniations),
CC   inflammations (e.g. bacterial or viral meningitis or encephalitis),
CC   testicular disorders (e.g. nontuberculous granulomatous orchitis),
CC   connective tissue disorders, or heart disorders (e.g. ischaemic heart
CC   disease or atherosclerosis). The compositions and methods may also be
CC   used in assessing the histological type of neoplasm associated with
CC   ovarian cancer, monitoring the progression of ovarian cancer, determining
CC   whether ovarian cancer has metastasized or is likely to metastasize,
CC   selecting a composition for inhibiting ovarian cancer, assessing the
CC   ovarian carcinogenic potential of a compound, or inhibiting ovarian
CC   cancer or at risk of developing ovarian cancer. The present amino acid
CC   sequence represents one of the ovarian cancer markers described in the
CC   invention
XX
SQ   Sequence 282 AA;

  Query Match             100.0%;  Score 1431;  DB 5;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 5.6e-118;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 9
AAU77766
ID   AAU77766 standard; protein; 282 AA.
XX
AC   AAU77766;
XX
DT   05-JUN-2002  (first entry)
XX
DE   Tumour associated antigenic target polypeptide (TAT) 136.
XX
KW   Tumour associated antigenic target polypeptide; TAT; cancer;
KW   breast cancer; colorectal cancer; lung cancer; ovarian cancer;
KW   central nervous system cancer; liver cancer; bladder cancer;
KW   pancreatic cancer; cervical cancer; melanoma; leukaemia; TAT136.
XX
OS   Homo sapiens.
XX
FH   Key             Location/Qualifiers
FT   Peptide         1. .28
FT                   /label= Signal_peptide
FT   Protein         29. .282
FT                   /label= Mature_TAT136
FT                   /note= "Tumour associated antigenic target polypeptide"
FT   Region          52. .58
FT                   /label= N-myristoylation_site
FT   Region          112. .116
FT                   /label= N-glycosylation_site
FT   Domain          119. .123
FT                   /label= Immunoglobulin_domain
FT   Region          126. .132
FT                   /label= N-myristoylation_site
FT   Region          160. .164
FT                   /label= N-glycosylation_site
FT   Region          188. .194
FT                   /label= N-myristoylation_site
FT   Region          190. .194
FT                   /label= N-glycosylation_site
FT   Region          196. .200
FT                   /label= N-glycosylation_site
FT   Region          205. .209
FT                   /label= N-glycosylation_site
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FT   Region          216. .220
FT                   /label= N-glycosylation_site
FT   Region          220. .224
FT                   /label= N-glycosylation_site
FT   Domain          258. .282
FT                   /label= Transmembrane_domain
XX
PN   WO200216581-A2.
XX
PD   28-FEB-2002.
XX
PF   14-AUG-2001; 2001WO-US025464.
XX
PR   24-AUG-2000; 2000WO-US023328.
PR   28-FEB-2001; 2001WO-US006520.
PR   22-JUN-2001; 2001US-00888257.
PR   22-JUN-2001; 2001WO-US020118.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Gao W,  Polakis P,  Shou J,  Smith V,  Soriano R,  Williams PM;
PI   Wu TD,  Zhang Z;
XX
DR   WPI; 2002-280928/32.
DR   N-PSDB; ABK11744.
XX
PT   Novel isolated antibody which binds to tumor-associated antigenic target
PT   polypeptide useful for killing cancer cells expressing the polypeptide
PT   and for treating tumor comprising cells that expresses the polypeptide.
XX
PS   Claim 2; Fig 8; 123pp; English.
XX
CC   The invention describes an isolated antibody which binds to a tumour-
CC   associated antigenic target (TAT) polypeptide. The antibody is useful
CC   for: killing a cancer cell (such as a breast, colorectal, lung, ovarian,
CC   central nervous system, liver, bladder, pancreatic, cervical, melanoma or
CC   leukaemia cell) that expresses a polypeptide with at least 80% identity
CC   to the TAT polypeptide sequence; treating a tumour comprising cells that
CC   express a polypeptide with at least 80% identity to the TAT polypeptide
CC   sequence; determining the presence of a polypeptide having at least 80 %
CC   identity to the TAT polypeptide sequence in a sample suspected of
CC   containing the polypeptide; diagnosing the presence of a tumour in a
CC   mammal, and for antibody dependent enzyme mediated prodrug therapy
CC   (ADEPT). This is the amino acid sequence of the tumour associated
CC   antigenic target polypeptide (TAT) 136, described in the invention
XX
SQ   Sequence 282 AA;

  Query Match             100.0%;  Score 1431;  DB 5;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 5.6e-118;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
```

```
RESULT 10
ABG95880
ID   ABG95880 standard; protein; 282 AA.
XX
AC   ABG95880;
XX
DT   10-DEC-2002  (first entry)
XX
DE   Human secreted/transmembrane protein PRO1291.
XX
KW   Human; secreted protein; transmembrane protein; antirheumatic;
KW   antiarthritic; osteopathic; sports-related joint problem;
KW   articular cartilage defect; osteoarthritis; rheumatoid arthritis.
XX
OS   Homo sapiens.
XX
PN   US2002119130-A1.
XX
PD   29-AUG-2002.
XX
PF   06-DEC-2001; 2001US-00006867.
XX
PR   29-OCT-1997;   97US-0063435P.
PR   29-OCT-1997;   97US-0064215P.
PR   22-APR-1998;   98US-0082797P.
PR   29-APR-1998;   98US-0083495P.
PR   15-MAY-1998;   98US-0085579P.
PR   02-JUN-1998;   98US-0087759P.
PR   04-JUN-1998;   98US-0088021P.
PR   04-JUN-1998;   98US-0088029P.
PR   04-JUN-1998;   98US-0088030P.
PR   10-JUN-1998;   98US-0088734P.
PR   10-JUN-1998;   98US-0088740P.
PR   10-JUN-1998;   98US-0088811P.
PR   10-JUN-1998;   98US-0088824P.
PR   10-JUN-1998;   98US-0088825P.
PR   11-JUN-1998;   98US-0088863P.
PR   12-JUN-1998;   98US-0089105P.
PR   16-JUN-1998;   98US-0089514P.
PR   17-JUN-1998;   98US-0089653P.
PR   19-JUN-1998;   98US-0089952P.
PR   22-JUN-1998;   98US-0090246P.
PR   24-JUN-1998;   98US-0090444P.
PR   25-JUN-1998;   98US-0090688P.
PR   25-JUN-1998;   98US-0090696P.
PR   26-JUN-1998;   98US-0090862P.
PR   02-JUL-1998;   98US-0091628P.
PR   10-AUG-1998;   98US-0096012P.
PR   17-AUG-1998;   98US-0096757P.
PR   18-AUG-1998;   98US-0096949P.
PR   18-AUG-1998;   98US-0096959P.
PR   26-AUG-1998;   98US-0097954P.
PR   26-AUG-1998;   98US-0097971P.
PR   26-AUG-1998;   98US-0097979P.
PR   01-SEP-1998;   98US-0098749P.
PR   10-SEP-1998;   98US-0099741P.
PR   10-SEP-1998;   98US-0099763P.
PR   10-SEP-1998;   98US-0099792P.
PR   10-SEP-1998;   98US-0099812P.
PR   10-SEP-1998;   98US-0099815P.
PR   16-SEP-1998;   98US-0100627P.
PR   16-SEP-1998;   98US-0100662P.
PR   16-SEP-1998;   98WO-US019330.
PR   17-SEP-1998;   98US-0100683P.
PR   17-SEP-1998;   98US-0100684P.
PR   17-SEP-1998;   98US-0100930P.
PR   22-SEP-1998;   98US-0101279P.
PR   23-SEP-1998;   98US-0101475P.
PR   24-SEP-1998;   98US-0101738P.
PR   24-SEP-1998;   98US-0101743P.
PR   24-SEP-1998;   98US-0101916P.
PR   30-SEP-1998;   98US-0102570P.
PR   06-OCT-1998;   98US-0103449P.
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PR   08-MAR-1999;   99WO-US005028.
PR   14-MAY-1999;   99WO-US010733.
PR   02-JUN-1999;   99WO-US012252.
PR   01-SEP-1999;   99WO-US020111.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021194.
PR   22-DEC-1999;   99WO-US030720.
PR   18-FEB-2000; 2000WO-US004341.
PR   18-FEB-2000; 2000WO-US004342.
PR   22-FEB-2000; 2000WO-US004414.
PR   01-MAR-2000; 2000WO-US005601.
PR   30-MAR-2000; 2000WO-US008439.
PR   22-MAY-2000; 2000WO-US014042.
PR   02-JUN-2000; 2000WO-US015264.
PR   23-AUG-2000; 2000WO-US023522.
PR   24-AUG-2000; 2000WO-US023328.
PR   10-NOV-2000; 2000WO-US030873.
PR   01-DEC-2000; 2000WO-US032378.
PR   20-DEC-2000; 2000WO-US034956.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-MAR-2001; 2001WO-US006666.
PR   30-MAY-2001; 2001WO-US017443.
PR   01-JUN-2001; 2001WO-US017800.
PR   20-JUN-2001; 2001WO-US019692.
PR   29-JUN-2001; 2001WO-US021066.
PR   09-JUL-2001; 2001WO-US021735.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Eaton DL,  Filvaroff E,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi JC,  Gurney AL,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2002-731348/79.
DR   N-PSDB; ABS74407.
XX
PT   New isolated secreted and transmembrane PRO polypeptide useful for
PT   modulating biological activity of a cell, or for treating sports-related
PT   joint problems, osteoarthritis or rheumatoid arthritis.
XX
PS   Claim 20; Fig 60; 399pp; English.
XX
CC   The invention relates to an isolated secreted and transmembrane PRO
CC   polypeptide having 80 % sequence identity to a sequence appearing as
CC   ABG95851-ABG95934 or their associated signal peptide, or a sequence of an
CC   extracellular domain of the proteins with their associated signal peptide
CC   or lacking its associated signal peptide. Also included are the nucleic
CC   acids encoding the proteins, vectors, host cells, fusion proteins and
CC   antibodies which specifically bind to the proteins. The proteins are
CC   useful for detecting a polypeptide designated as A, B, C or D in a sample
CC   suspected of containing an A, B, C or D polypeptide, by contacting the
CC   sample with a polypeptide designated as E, F, G, H or I (or vice versa)
CC   and determining the formation of a A/E, B/F, B/G, C/H or D/I polypeptide
CC   conjugate in the sample, where the formation of the conjugate is
CC   indicative of the presence of an A, B, C or D polypeptide in the sample,
CC   where A is a PRO10272 polypeptide, B is a PRO20110 polypeptide, C is a
CC   PRO10096 polypeptide, D is a PRO19760 polypeptide, E is a PRO5801
CC   polypeptide, F is a PRO1 polypeptide, G is a PRO20040 polypeptide, H is a
CC   PRO20233 polypeptide and I is a PRO1890 polypeptide. The sample comprises
CC   a cell suspected of expressing the A, B, C or D polypeptide. The E, F, G,
CC   H or I polypeptide is labeled with a detectable label or is attached to a
CC   solid support. The proteins are useful for linking a bioactive molecule
CC   to a cell expressing a polypeptide designated as A, B, C or D or E, F, G,
CC   H or I. The bioactive molecule is a toxin, a radiolabel or an antibody.
CC   The bioactive molecule causes death of the cell. A, B, C, D, E, F, G, H,
CC   or I, or antibodies against them are useful for modulating a biological
CC   activity of a cell expressing a polypeptide designated as A, B, C or D or
CC   E, F, G, H, or I. The cell is killed. The proteins are useful for
CC   identifying agonists or antagonists, for the preparation of a medicament
CC   useful in the treatment of a condition which is responsive to the
CC   proteins, as molecular weight markers for protein electrophoresis
CC   purposes, and as therapeutic agents for treating sports-related joint
CC   problems, articular cartilage defects, osteoarthritis or rheumatoid
CC   arthritis. Nucleic acids encoding the proteins are useful as
CC   hybridisation probes, in chromosome and gene mapping, in the generation
CC   of anti-sense RNA and DNA, for the preparation of the proteins, to
CC   generate transgenic or knockout animals which are useful in the
CC   development and screening of therapeutic useful reagents, for chromosome
CC   identification, and in gene therapy. The antibody is useful as a
CC   therapeutic agent, in a diagnostic assay and for affinity purification of
CC   the protein from recombinant cell culture natural sources. The present
CC   sequence represents a novel secreted or transmembrane protein of the
CC   invention
XX
SQ   Sequence 282 AA;

  Query Match             100.0%;  Score 1431;  DB 5;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 5.6e-118;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 11
AAU76536
ID   AAU76536 standard; protein; 282 AA.
XX
AC   AAU76536;
XX
DT   05-JUN-2002  (first entry)
XX
DE   Tumour-associated antigenic target protein, TAT136.
XX
KW   TAT136; Tumour-associated Antigenic Target; tumour; breast cancer;
KW   colorectal cancer; lung cancer; ovarian cancer;
KW   central nervous system cancer; liver cancer; bladder cancer; melanoma;
KW   pancreatic cancer; leukaemia; gene therapy.
XX
OS   Homo sapiens.
XX
FH   Key             Location/Qualifiers
FT   Peptide         1. .28
FT                   /note= "Signal sequence"
FT   Protein         29. .282
FT                   /note= "Mature TAT134"
FT   Domain          49. .132
FT                   /note= "Immunoglobulin domain"
FT   Modified-site   52. .58
FT                   /note= "N-myristoylation site"
FT   Modified-site   112. .116
FT                   /note= "Asn is N-glycosylated"
FT   Modified-site   126. .132
FT                   /note= "N-myristoylation site"
FT   Modified-site   160. .164
FT                   /note= "Asn is N-glycosylated"
FT   Modified-site   190. .194
FT                   /note= "Asn is N-glycosylated"
FT   Modified-site   196. .200
FT                   /note= "Asn is N-glycosylated"
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FT   Modified-site   205. .209
FT                   /note= "Asn is N-glycosylated"
FT   Modified-site   216. .220
FT                   /note= "Asn is N-glycosylated"
FT   Modified-site   220. .224
FT                   /note= "Asn is N-glycosylated"
FT   Domain          258. .281
FT                   /note= "Transmembrane domain"
XX
PN   WO200216429-A2.
XX
PD   28-FEB-2002.
XX
PF   22-JUN-2001; 2001WO-US020118.
XX
PR   24-AUG-2000; 2000WO-US023328.
PR   26-SEP-2000; 2000US-0235451P.
PR   01-DEC-2000; 2000WO-US032678.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-MAR-2001; 2001WO-US006666.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Goddard A, Godowski PJ, Gurney AL, Hillan KJ, Polakis P, Smith V;
PI   Wood WI, Wu TD, Zhang Z;
XX
DR   WPI; 2002-280917/32.
DR   N-PSDB; ABK11091.
XX
PT   Novel isolated tumor-associated antigenic target polypeptides which are
PT   useful as targets for cancer therapy and diagnosis in mammals.
XX
PS   Claim 12; Fig 8; 121pp; English.
XX
CC   The invention relates to an isolated tumour-associated antigenic target
CC   polypeptide (TAT) (I), specifically TAT134-TAT138 polypeptides, and the
CC   polynucleotides (II) encoding them. (II) is useful for diagnosing the
CC   presence of a tumour in a mammal, where the level of expression of (II)
CC   is indicative on the presence of tumour in the mammal from which the test
CC   sample was obtained. Antibody to (I) is useful for killing a cancer cell
CC   (e.g. breast cancer cell, a colorectal cancer cell, a lung cancer cell,
CC   an ovarian cancer cell, a central nervous system (CNS) cancer cell, a
CC   liver cancer cell, a bladder cancer cell, a pancreatic cancer cell, a
CC   melanoma cell or a leukaemia cell) that expresses (I). Oligonucleotides
CC   hybridising to (II) are useful as diagnostic probes, antisense
CC   oligonucleotide probes or for encoding fragments of full length TAT
CC   polypeptide. (II) is also useful in chromosome and gene mapping and in
CC   the generation of antisense RNA and DNA probes, for constructing
CC   hybridisation probes for mapping the gene encoding TAT and for genetic
CC   analysis of individuals with genetic disorders. (II) is also useful for
CC   generating either transgenic animals or knockout animals, and in gene
CC   therapy. The TAT polypeptides and nucleic acids may also be used for
CC   tissue typing and the TAT polypeptides are useful for screening compounds
CC   that mimic the TAT polypeptide (agonist) or prevent the effect of TAT
CC   polypeptide (antagonist). The antibody is useful for staging TAT
CC   polypeptide-expressing cancers, purifying or immunoprecipitating TAT
CC   polypeptide from cells, for detection and quantitation of TAT polypeptide
CC   in vitro, e.g., in an enzyme linked immunosorbent assay (ELISA) or
CC   Western blot. The antibodies are also useful for treating a TAT-
CC   expressing cancer or alleviating one or more symptoms of cancer in a
CC   mammal. The present sequence represents the amino acid sequence of TAT136
XX
SQ   Sequence 282 AA;

  Query Match           100.0%;  Score 1431;  DB 5;  Length 282;
  Best Local Similarity  100.0%;  Pred. No. 5.6e-118;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              ||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 12
ABP30901
ID   ABP30901 standard; protein; 282 AA.
XX
AC   ABP30901;
XX
DT   02-JUL-2002  (first entry)
XX
DE   O8E protein #2.
XX
KW   Human; immunostimulant; cytostatic; cancer; ovarian carcinoma.
XX
OS   Homo sapiens.
XX
PN   WO200206317-A2.
XX
PD   24-JAN-2002.
XX
PF   17-JUL-2001; 2001WO-US022635.
XX
PR   17-JUL-2000; 2000US-00617747.
PR   10-AUG-2000; 2000US-00636801.
PR   20-SEP-2000; 2000US-00667857.
PR   04-APR-2001; 2001US-00827271.
PR   18-JUN-2001; 2001US-00884441.
XX
PA   (CORI-) CORIXA CORP.
XX
PI   Mitcham JL, King GE, Algate PA, Fling SP, Retter MW, Fanger GR;
PI   Reed SG, Vedvick TS, Carter D, Hill P, Albone E;
XX
DR   WPI; 2002-164781/21.
DR   N-PSDB; ABN72971.
XX
PT   Polypeptides comprising an immunogenic portion of an ovarian carcinoma
PT   protein or its variants, useful for stimulating an immune response in a
PT   patient and treating ovarian cancer.
XX
PS   Claim 34; Page 321-322; 408pp; English.
XX
CC   This invention relates to polypeptides comprising an immunogenic portion
CC   of an ovarian carcinoma protein which acts as an immunostimulant and is
CC   cytostatic. The polypeptides, polynucleotides, antibodies, fusion
CC   proteins, T cell populations and antigen presenting cells that express
CC   the polypeptides are useful for stimulating an immune response in a
CC   patient and treating ovarian cancer. This sequence represents protein
CC   related to the invention
XX
SQ   Sequence 282 AA;

  Query Match           100.0%;  Score 1431;  DB 5;  Length 282;
  Best Local Similarity  100.0%;  Pred. No. 5.6e-118;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
```

```
Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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RESULT 13
ABB76274
ID ABB76274 standard; protein; 282 AA.
XX
AC ABB76274;
XX
DT 12-AUG-2002 (first entry)
XX
DE Breast BS265 polypeptide.
XX
KW BS265; human; breast; cancer; tumour; metastasis; diagnosis;
KW gene therapy.
XX
OS Homo sapiens.
XX
PN US2002034749-A1.
XX
PD 21-MAR-2002.
XX
PF 07-MAY-2001; 2001US-00850178.
XX
PR 18-NOV-1997; 97US-00972376.
PR 18-NOV-1998; 98US-00193944.
XX
PA (BILL/) BILLINGEL P A.
PA (COHE/) COHEN M.
PA (COLP/) COLPITTS T L.
PA (FRIE/) FRIEDMAN P N.
PA (GORD/) GORDON J.
PA (GRAN/) GRANADOS E N.
PA (HODG/) HODGES S C.
PA (KLAS/) KLASS M R.
PA (KRAT/) KRATOCHVIL J D.
PA (ROBE/) ROBERTS-RAPP L A.
PA (RUSS/) RUSSELL J C.
PA (STRO/) STROUPE S D.
XX
PI Billingel PA, Cohen M, Colpitts TL, Friedman PN, Gordon J;
PI Granados EN, Hodges SC, Klass MR, Kratochvil JD, Roberts-Rapp LA;
PI Russell JC, Stroupe SD;
XX
DR WPI; 2002-403712/43.
DR N-PSDB; ABL57354.
XX
PT New BS265 proteins and nucleic acids, useful for detecting, diagnosing,
PT staging, monitoring, prognosticating, in vivo imaging, preventing,
PT treating, or determining the predisposition of an individual to breast
PT cancer.
XX
PS Claim 54; Page 45-46; 52pp; English.
XX
CC The present sequence is the protein sequence of human breast BS265
CC protein, as predicted from a BS265 expressed sequence tag clone (see
CC ABL57354). The invention provides a set of contiguous and partially
CC overlapping cDNA sequences (see ABL57345-63), designated as BS265 and
CC transcribed from breast tissue, and the polypeptides encoded by them.
CC These are useful for detecting, diagnosing, staging, monitoring,
CC prognosticating, in vivo imaging, preventing, treating, or determining
CC the predisposition of an individual to diseases and conditions of the
CC breast, such as breast cancer. Also provided are antibodies which
CC specifically bind to BS265 proteins, and agonists or inhibitors which
CC prevent action of the proteins, and which are useful for treatment of
CC breast disease, especially tumours and metastases
XX
SQ Sequence 282 AA;

```
  Query Match             100.0%;  Score 1431;  DB 5;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 5.6e-118;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
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Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

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Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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RESULT 14
AAE18336
ID AAE18336 standard; protein; 282 AA.
XX
AC AAE18336;
XX
DT 07-MAY-2002 (first entry)
XX
DE Human B7-like protein (B7-L).
XX
KW Human; B7-like protein; B7-L; reproductive disorder; autoimmune disease;
KW proliferative disorder; infertility; hyperplasia; cancer; lung; breast;
KW brain; seminal vesicle; haematopoietic system; tumour; diabetes mellitus;
KW rheumatoid arthritis; systemic lupus erythematosis; toxic shock syndrome;
KW inflammatory bowel disease; psoriasis; allergy; Crohn's disease; vaccine;
KW Grave's disease; arteriosclerosis; multiple sclerosis; hypersensitivity;
KW nephropathy; skin disorder; endocrinopathy; vasculopathy; gynaecological;
KW myasthenia ravis; anaemia; lymphoproliferative disorder; neuroprotective;
KW cytostatic; multiple myeloma; tissue-degenerating disease; nephrotropic;
KW immunosuppressive; asthma; virucide; gene therapy.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT Peptide 1. .24
FT /label= Signal_peptide
FT Protein 25. .282
FT /label= Human_mature_B7-L_protein
XX
PN WO200202624-A2.
XX
PD 10-JAN-2002.
XX
PF 29-JUN-2001; 2001WO-US021297.
XX
PR 30-JUN-2000; 2000US-0215645P.
XX

```
PA   (AMGE-) AMGEN INC.
XX
PI   Fox M,  Sullivan JK,  Fang M;
XX
DR   WPI; 2002-171639/22.
DR   N-PSDB; AAD29253.
XX
PT   Novel B7-like polypeptides, polynucleotides and their modulators useful
PT   for prevention and treatment of reproductive, immune and proliferative
PT   disorders, e.g. cancer, arteriosclerosis.
XX
PS   Claim 13; Fig 1A-1B; 133pp; English.
XX
CC   The present invention relates to an isolated B7-like (B7-L) polypeptide
CC   and its polynucleotide. B7-1 and its modulators are useful for treating
CC   reproductive disorders (e.g. infertility, miscarriage, preterm labour and
CC   delivery and endometriosis) and proliferative disorders. Antibodies,
CC   soluble proteins comprising extracellular domains and other regulators of
CC   B7-L are useful for enhancing the immune response to tumours. B7-1 plays
CC   a role in growth and maintenance of cancer cells based on the observation
CC   of seminal vesicle hyperplasia in transgenic mice overexpressing B7-1.
CC   Modulators of B7-1 are useful for the treatment of cancer e.g. seminal
CC   vesicle, lung, brain, breast, ovarian, testicular cancer and cancers of
CC   haematopoietic system. B7-1 and their modulators are useful to treat
CC   autoimmune diseases such as systemic lupus erythematosis, rheumatoid
CC   arthritis, immune thrombocytopenic purpura and psoriasis, chronic
CC   inflammatory disease such as inflammatory bowel disease (Crohn's disease
CC   and ulcerative colitis), Grave's disease, Hashimoto's thyroiditis and
CC   diabetes mellitus. They are also useful as immunosuppressive agents for
CC   bone marrow and organ transplantation or to prolong graft survival.
CC   Modulators of B7-L are also useful for diagnosis and treatment of
CC   diseases involving abnormal cell proliferation, arteriosclerosis and
CC   vascular restenosis. Soluble B7-L serves as vaccine adjuvants.
CC   Antagonists of B7-L are useful for alleviation of toxic shock syndrome or
CC   allosensitisation due to blood transfusions, and for treatment of
CC   multiple sclerosis, allergy, asthma and hypersensitivity reactions,
CC   nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and
CC   pemphigoid), endocrinopathies, various pneumopathies, vasculopathies,
CC   coeliac disease, anaemia, thromobocytopaenia, Guillain-Barre syndrome and
CC   myasthenia gravis, and lymphoproliferative disorders such as multiple
CC   myeloma. B7-L gene is useful in gene therapy and to map the locations of
CC   B7-L gene and related genes on chromosomes, as hybridisation probes in
CC   diagnostic assays, for isolating corresponding chromosomal B7-L genes,
CC   and to identify heritable tissue-degenerating diseases. The present
CC   sequence is human B7-L protein
XX
SQ   Sequence 282 AA;

  Query Match             100.0%;  Score 1431;  DB 5;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 5.6e-118;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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RESULT 15
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ID   ABB09879 standard; protein; 282 AA.
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AC   ABB09879;
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DT   30-JUL-2002  (first entry)
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XX
KW   Human; gene A; ovarian tumour; gene B; OREO; ovarian cancer.
XX
OS   Homo sapiens.
XX
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FT                   /note= "N-glycosylation site"
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XX
PN   WO200194641-A2.
XX
PD   13-DEC-2001.
XX
PF   11-JUN-2001; 2001WO-US018700.
XX
PR   09-JUN-2000; 2000US-0210451P.
XX
PA   (IDEC-) IDEC PHARM CORP.
XX
PI   Ople E,  Mclachlan K,  Heard C;
XX
DR   WPI; 2002-404365/43.
DR   N-PSDB; ABL56582.
XX
PT   New polynucleotide and corresponding antigens from human ovarian cancer
PT   cells, useful for treatment and diagnosis of ovarian cancer.
XX
PS   Claim 12; Fig 7b; 71pp; English.
XX
CC   The present sequence represents a protein designated OREO. The OREO (Ople
CC   RDA of Epithelial Tissue vs. Ovary tumour) gene is a novel gene, also
CC   designated gene B. This gene was identified by representational
CC   difference analysis (RDA) screening, and is selectively expressed by
CC   certain human ovarian tumours. The specification also describes gene A,
CC   identified by the same method. Gene A and B polynucleotides are useful
CC   for detecting ovarian cancer. Their polypeptides are useful for treating
CC   ovarian cancer
XX
SQ   Sequence 282 AA;

  Query Match             100.0%;  Score 1431;  DB 5;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 5.6e-118;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
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Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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Job time : 98 secs

GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: April 19, 2005, 07:33:25 ; Search time 74 Seconds
(without alignments)
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Title: US-10-773-715-6
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Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 1421835 seqs, 332370683 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1421835

Minimum DB seq length: 0
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Post-processing: Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	282	100.0	282	9	US-09-778-320-208	Sequence 208, App
2	282	100.0	282	9	US-09-850-178-33	Sequence 33, Appl
3	282	100.0	282	9	US-09-877-065-8	Sequence 8, Appli
4	282	100.0	282	9	US-09-989-722-291	Sequence 291, App
5	282	100.0	282	9	US-09-989-723-291	Sequence 291, App
6	282	100.0	282	9	US-09-989-279-291	Sequence 291, App
7	282	100.0	282	9	US-09-989-727-291	Sequence 291, App
8	282	100.0	282	9	US-09-910-689-208	Sequence 208, App
9	282	100.0	282	9	US-09-989-731-291	Sequence 291, App
10	282	100.0	282	9	US-09-884-441-393	Sequence 393, App
11	282	100.0	282	9	US-09-989-732-291	Sequence 291, App
12	282	100.0	282	9	US-09-991-073-291	Sequence 291, App
13	282	100.0	282	9	US-09-990-442-291	Sequence 291, App
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20	282	100.0	282	9	US-09-915-789A-5	Sequence 5, Appli
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ALIGNMENTS

RESULT 1
US-09-778-320-208
; Sequence 208, Application US/09778320
; Patent No. US20010034052A1
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Day, Craig H.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Mitcham, Jennifer
; APPLICANT: Wang, TongTong
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.491C5
; CURRENT APPLICATION NUMBER: US/09/778,320
; CURRENT FILING DATE: 2001-02-06
; NUMBER OF SEQ ID NOS: 301
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 208
; LENGTH: 282
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-778-320-208

Query Match 100.0%; Score 282; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2e-263;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2
US-09-850-178-33
; Sequence 33, Application US/09850178
; Patent No. US20020034749A1
; GENERAL INFORMATION:
;  APPLICANT: Abbott Laboratories
;  APPLICANT:  Billing-Medel, Patricia A.
;  APPLICANT:  Cohen, Maurice
;  APPLICANT:  Colipitts, Tracey L.
;  APPLICANT:  Friedman, Paula N.
;  APPLICANT:  Russell, John C.
;  APPLICANT:  Granados, Edward N.
;  APPLICANT:  Hodges, Steven C.
;  APPLICANT:  Klass, Michael R.
;  APPLICANT:  Kratochvil, Jon D.
;  APPLICANT:  Roberts-Rapp, Lisa
;  APPLICANT:  Stroupe, Stephen D.
;  APPLICANT:  Gordon, Juliano
;  TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
;  TITLE OF INVENTION:  DETECTING DISEASES OF THE BREAST
;  FILE REFERENCE: 6251.US.P1
;  CURRENT APPLICATION NUMBER: US/09/850,178
;  CURRENT FILING DATE:  2001-05-07
;  PRIOR APPLICATION NUMBER: US 08/972,376
;  PRIOR FILING DATE: 1997-11-18
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 33
;   LENGTH: 282
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-850-178-33

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  Best Local Similarity  100.0%;  Pred. No. 2e-263;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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RESULT 3
US-09-877-065-8
; Sequence 8, Application US/09877065
; Patent No. US20020051990A1
; GENERAL INFORMATION:
;  APPLICANT: OPLE, ERIC
;  APPLICANT:  MCLACHLAN, KAREN
;  APPLICANT:  HEARD, CHERYL J.
;  TITLE OF INVENTION: NOVEL GENE TARGETS AND LIGANDS THAT BIND THERETO FOR
;  TITLE OF INVENTION:  TREATMENT AND DIAGNOSIS OF OVARIAN CARCINOMAS
;  FILE REFERENCE: 037003-0280631
;  CURRENT APPLICATION NUMBER: US/09/877,065
;  CURRENT FILING DATE:  2001-06-11
;  PRIOR APPLICATION NUMBER: 60/210,451
;  PRIOR FILING DATE: 2000-06-09
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
;   LENGTH: 282
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-877-065-8

  Query Match           100.0%;  Score 282;  DB 9;  Length 282;
  Best Local Similarity  100.0%;  Pred. No. 2e-263;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
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Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
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Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
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Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 4
US-09-989-722-291
; Sequence 291, Application US/09989722
; Patent No. US20020072067A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
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;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
```

; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C63
; CURRENT APPLICATION NUMBER: US/09/989,722
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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;  PRIOR FILING DATE: 1998-07-02
;  PRIOR APPLICATION NUMBER: 60/091633
;  PRIOR FILING DATE: 1998-07-02
;  PRIOR APPLICATION NUMBER: 60/091978
;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/091982
;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/092182
;  PRIOR FILING DATE: 1998-07-09

  Query Match             100.0%;  Score 282;  DB 9;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 2e-263;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
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Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
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Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
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Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 5
US-09-989-723-291
; Sequence 291, Application US/09989723
; Patent No. US20020072092A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C62
;  CURRENT APPLICATION NUMBER: US/09/989,723
;  CURRENT FILING DATE:  2001-11-19
;  PRIOR APPLICATION NUMBER: 60/049787
;  PRIOR FILING DATE: 1997-06-16
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/065186
;  PRIOR FILING DATE: 1997-11-12
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; PRIOR FILING DATE: 1998-07-02
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 282; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2e-263;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
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Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
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Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
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RESULT 6
US-09-989-279-291
; Sequence 291, Application US/09989279
; Patent No. US20020072496A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David

; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C56
; CURRENT APPLICATION NUMBER: US/09/989,279
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
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;  PRIOR APPLICATION NUMBER: 60/091978
;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/091982
;  PRIOR FILING DATE: 1998-07-07
;  PRIOR APPLICATION NUMBER: 60/092182
;  PRIOR FILING DATE: 1998-07-09

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  Best Local Similarity  100.0%;  Pred. No. 2e-263;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
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Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

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Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
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RESULT 7
US-09-989-727-291
; Sequence 291, Application US/09989727
; Patent No. US20020072497A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C65
;  CURRENT APPLICATION NUMBER: US/09/989,727
;  CURRENT FILING DATE:  2001-11-19
;  PRIOR APPLICATION NUMBER: 60/049787
;  PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 282; DB 9; Length 282;
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; Sequence 208, Application US/09910689
; Patent No. US20020081609A1
; GENERAL INFORMATION:
;  APPLICANT: Dillon, Davin C.
;  APPLICANT:  Day, Craig H.
;  APPLICANT:  Jiang, Yuqiu
;  APPLICANT:  Houghton, Raymond L.
;  APPLICANT:  Mitcham, Jennifer
;  APPLICANT:  Wang, Tongtong
;  APPLICANT:  McNeill, Patricia D.
;  APPLICANT:  Harlocker, Susan L.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
;  TITLE OF INVENTION:  DIAGNOSIS OF BREAST CANCER
;  FILE REFERENCE: 210121.491C6
;  CURRENT APPLICATION NUMBER: US/09/910,689
;  CURRENT FILING DATE:  2001-07-20
;  NUMBER OF SEQ ID NOS: 307
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 208
;   LENGTH: 282
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-910-689-208

  Query Match            100.0%;  Score 282;  DB 9;  Length 282;
  Best Local Similarity  100.0%;  Pred. No. 2e-263;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 9
US-09-989-731-291
; Sequence 291, Application US/09989731
; Patent No. US20020103125A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Pàoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C70
;  CURRENT APPLICATION NUMBER: US/09/989,731
;  CURRENT FILING DATE:  2001-11-20
;  PRIOR APPLICATION NUMBER: 60/049787
;  PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-06-26
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; PRIOR FILING DATE: 1998-07-01
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 282; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2e-263;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
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Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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RESULT 10
US-09-884-441-393
; Sequence 393, Application US/09884441

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; Patent No. US20020119158A1
; GENERAL INFORMATION:
;  APPLICANT: Algate, Paul A.
;  APPLICANT:  Carter, Darrick
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
;  TITLE OF INVENTION:  DIAGNOSIS OF OVARIAN CANCER
;  FILE REFERENCE: 210121.462C7
;  CURRENT APPLICATION NUMBER: US/09/884,441
;  CURRENT FILING DATE:  2001-06-18
;  NUMBER OF SEQ ID NOS: 489
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 393
;   LENGTH: 282
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-884-441-393

  Query Match             100.0%;  Score 282;  DB 9;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 2e-263;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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RESULT 11
US-09-989-732-291
; Sequence 291, Application US/09989732
; Patent No. US20020123463A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi,Avi J.
;  APPLICANT:  Baker,Kevin P.
;  APPLICANT:  Botstein,David
;  APPLICANT:  Desnoyers,Luc
;  APPLICANT:  Eaton,Dan L.
;  APPLICANT:  Ferrara,Napoleone
;  APPLICANT:  Fong,Sherman
;  APPLICANT:  Gerber,Hanspeter
;  APPLICANT:  Gerritsen,Mary E.
;  APPLICANT:  Goddard,Audrey
;  APPLICANT:  Godowski,Paul J.
;  APPLICANT:  Grimaldi,J.Christopher
;  APPLICANT:  Gurney,Austin L.
;  APPLICANT:  Kljavin,Ivar J.
;  APPLICANT:  Napier,Mary A.
;  APPLICANT:  Pan,James
;  APPLICANT:  Paoni,Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Watanabe, Colin K.
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  APPLICANT:  Zhang, Zemin
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2730P1C57
;  CURRENT APPLICATION NUMBER: US/09/989,732
;  CURRENT FILING DATE:  2001-11-19
;  PRIOR APPLICATION NUMBER: 60/049787
;  PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 282; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2e-263;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
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Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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RESULT 12
US-09-991-073-291
; Sequence 291, Application US/09991073
; Patent No. US20020127576A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.

; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C15
; CURRENT APPLICATION NUMBER: US/09/991,073
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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; PRIOR FILING DATE: 1998-02-25
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; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 282; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2e-263;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
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; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
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; PRIOR FILING DATE: 1998-07-09

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RESULT 14
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 282; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2e-263;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; Patent No. US20020137075A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi,Avi J.
; APPLICANT: Baker,Kevin P.
; APPLICANT: Botstein,David
; APPLICANT: Desnoyers,Luc
; APPLICANT: Eaton,Dan L.
; APPLICANT: Ferrara,Napoleone
; APPLICANT: Fong,Sherman
; APPLICANT: Gerber,Hanspeter
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,J.Christopher
; APPLICANT: Gurney,Austin L.
; APPLICANT: Kljavin,Ivar J.
; APPLICANT: Napier,Mary A.
; APPLICANT: Pan,James
; APPLICANT: Paoni,Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C25
; CURRENT APPLICATION NUMBER: US/09/993,604
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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Query Match 100.0%; Score 282; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2e-263;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
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Search completed: April 19, 2005, 07:39:45
Job time : 77 secs

GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: April 19, 2005, 07:17:05 ; Search time 90 Seconds
(without alignments)
1211.849 Million cell updates/sec

Title: US-10-773-715-6
Perfect score: 282
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Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 2105692 seqs, 386760381 residues

Word size : 0

Total number of hits satisfying chosen parameters: 2105692

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : A_Geneseq_16Dec04:*
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2: geneseqp1990s:*
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6: geneseqp2003as:*
7: geneseqp2003bs:*
8: geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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ALIGNMENTS

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AC AAY66719;
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DT 05-APR-2000 (first entry)
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DE Membrane-bound protein PRO1291.
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KW Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;
KW pharmaceutical; receptor immunoadhesin; gene mapping.
XX
OS Homo sapiens.
XX
PN WO9963088-A2.
XX
PD 09-DEC-1999.
XX
PF 02-JUN-1999; 99WO-US012252.
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PR 02-JUN-1998; 98US-0087607P.
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PR 01-JUL-1998; 98US-0091358P.
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PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091486P.
PR 02-JUL-1998; 98US-0091519P.
PR 02-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091633P.
PR 02-JUL-1998; 98US-0091646P.
PR 02-JUL-1998; 98US-0091673P.
PR 07-JUL-1998; 98US-0091978P.
PR 07-JUL-1998; 98US-0091982P.
PR 09-JUL-1998; 98US-0092182P.
PR 10-JUL-1998; 98US-0092472P.
PR 20-JUL-1998; 98US-0093339P.
PR 30-JUL-1998; 98US-0094651P.
PR 04-AUG-1998; 98US-0095282P.
PR 04-AUG-1998; 98US-0095285P.
PR 04-AUG-1998; 98US-0095301P.
PR 04-AUG-1998; 98US-0095302P.
PR 04-AUG-1998; 98US-0095318P.
PR 04-AUG-1998; 98US-0095321P.
PR 04-AUG-1998; 98US-0095325P.
PR 10-AUG-1998; 98US-0095916P.
PR 10-AUG-1998; 98US-0095929P.
PR 10-AUG-1998; 98US-0096012P.
PR 11-AUG-1998; 98US-0096143P.
PR 11-AUG-1998; 98US-0096146P.
PR 12-AUG-1998; 98US-0096329P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096768P.
PR 17-AUG-1998; 98US-0096773P.
PR 17-AUG-1998; 98US-0096791P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096894P.
PR 17-AUG-1998; 98US-0096895P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096950P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0096960P.
PR 18-AUG-1998; 98US-0097022P.
PR 19-AUG-1998; 98US-0097141P.
PR 20-AUG-1998; 98US-0097218P.
PR 24-AUG-1998; 98US-0097661P.
PR 26-AUG-1998; 98US-0097951P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0097978P.
PR 26-AUG-1998; 98US-0097979P.
PR 26-AUG-1998; 98US-0097986P.
PR 26-AUG-1998; 98US-0098014P.
PR 31-AUG-1998; 98US-0098525P.
PR 16-SEP-1998; 98US-0100634P.
PR 12-JAN-1999; 99US-0115565P.
XX
PA (GETH) GENENTECH INC.
XX
PI Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;
PI Wood WI, Yuan J;
XX
DR WPI; 2000-072883/06.
DR N-PSDB; AAZ65059.
XX
PT Membrane-bound proteins and related nucleotide sequences.
XX
PS Claim 12; Fig 208; 822pp; English.
XX
CC The invention provides membrane-bound PRO polypeptides and
CC polynucleotides encoding them. The PRO sequences of the invention were
CC identified based on extracellular domain homology screening. The PRO
CC sequences have homology with proteins including LDL receptors, TIE
CC ligands and various enzymes. The membrane-bound proteins and receptor
CC molecules are useful as pharmaceutical and diagnostic agents. Receptor
CC immunoadhesins, for instance, can be used as therapeutic agents to block
CC receptor-ligand interactions. The membrane-bound proteins can also be
CC employed for screening of potential peptide or small molecule inhibitors
CC of the relevant receptor/ligand interaction. The PRO encoding sequences
CC are useful as hybridization probes, in chromosome and gene mapping and in
CC the generation of antisense RNA and DNA. PRO nucleic acid sequences will
CC also be useful for the preparation of PRO polypeptides, especially by
CC recombinant techniques
XX
SQ Sequence 282 AA;

Query Match 100.0%; Score 282; DB 3; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.8e-286;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Db 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

```
Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
```

RESULT 2
AAB12557
ID AAB12557 standard; protein; 282 AA.
XX
AC AAB12557;
XX
DT 07-NOV-2000 (first entry)
XX
DE Human ovarian carcinoma antigen O8E protein SEQ ID NO:393.
XX
KW Human; ovarian carcinoma; ovarian cancer; therapy; diagnosis;
KW tumour antigen; identification; cytostatic; gene therapy; vaccine.
XX
OS Homo sapiens.
XX
PN WO200036107-A2.
XX
PD 22-JUN-2000.
XX
PF 17-DEC-1999; 99WO-US030270.
XX
PR 17-DEC-1998; 98US-00215681.
PR 17-DEC-1998; 98US-00216003.
PR 23-JUN-1999; 99US-00338933.
PR 24-SEP-1999; 99US-00404879.
XX
PA (CORI-) CORIXA CORP.
XX
PI Mitcham JL, King GE, Algate PA, Frudakis TN;
XX
DR WPI; 2000-431589/37.
XX
PT Immunogenic portion of an ovarian carcinoma protein and the nucleic acid
PT encoding it, useful for the diagnosis, prevention and treatment of
PT cancer, preferably ovarian cancer.
XX
PS Example 2; Page 207; 299pp; English.
XX
CC The present invention describes an isolated polypeptide comprising an
CC immunogenic portion of an ovarian carcinoma protein (or its variants).
CC Ovarian carcinoma proteins, and polynucleotides encoding them, have
CC cytostatic activity and can be used in gene therapy and vaccines. Ovarian
CC carcinoma polypeptides, nucleic acids, antibodies and vaccines are useful
CC for the prevention, diagnosis and treatment of cancer, preferably ovarian
CC cancer. AAA69691 to AAA70077 and AAB12552 to AAB12557 represent human
CC ovarian carcinoma polynucleotides and proteins used in the
CC exemplification of the present invention
XX
SQ Sequence 282 AA;

Query Match 100.0%; Score 282; DB 3; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.8e-286;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
```

RESULT 3
AAU29132
ID AAU29132 standard; protein; 282 AA.
XX
AC AAU29132;
XX
DT 18-DEC-2001 (first entry)
XX
DE Human PRO polypeptide sequence #109.
XX
KW PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep;
KW dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;
KW blood; chondrocyte cell; cell proliferation; cell differentiation; colon;
KW adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder.
XX
OS Homo sapiens.
XX
PN WO200168848-A2.
XX
PD 20-SEP-2001.
XX
PF 28-FEB-2001; 2001WO-US006520.
XX
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 03-MAR-2000; 2000US-0187202P.
PR 06-MAR-2000; 2000US-0186968P.
PR 14-MAR-2000; 2000US-0189320P.
PR 14-MAR-2000; 2000US-0189328P.
PR 15-MAR-2000; 2000WO-US006884.
PR 21-MAR-2000; 2000US-0190828P.
PR 21-MAR-2000; 2000US-0191007P.
PR 21-MAR-2000; 2000US-0191048P.
PR 21-MAR-2000; 2000US-0191314P.
PR 28-MAR-2000; 2000US-0192655P.
PR 29-MAR-2000; 2000US-0193032P.
PR 29-MAR-2000; 2000US-0193053P.
PR 30-MAR-2000; 2000WO-US008439.
PR 04-APR-2000; 2000US-0194449P.
PR 04-APR-2000; 2000US-0194647P.
PR 11-APR-2000; 2000US-0195975P.
PR 11-APR-2000; 2000US-0196000P.
PR 11-APR-2000; 2000US-0196187P.
PR 11-APR-2000; 2000US-0196690P.
PR 11-APR-2000; 2000US-0196820P.
PR 18-APR-2000; 2000US-0198121P.
PR 18-APR-2000; 2000US-0198585P.
PR 25-APR-2000; 2000US-0199397P.
PR 25-APR-2000; 2000US-0199550P.
PR 25-APR-2000; 2000US-0199654P.
PR 03-MAY-2000; 2000US-0201516P.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.

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PR   30-MAY-2000; 2000WO-US014941.
PR   02-JUN-2000; 2000WO-US015264.
PR   05-JUN-2000; 2000US-0209832P.
PR   28-JUL-2000; 2000WO-US020710.
PR   22-AUG-2000; 2000US-00644848.
PR   24-AUG-2000; 2000WO-US023328.
PR   08-NOV-2000; 2000WO-US030952.
PR   01-DEC-2000; 2000WO-US032678.
PR   20-DEC-2000; 2000WO-US034956.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Baker KP,  Chen J,  Desnoyers L,  Goddard A,  Godowski PJ,  Gurney AL;
PI   Pan J,  Smith V,  Watanabe CK,  Wood WI,  Zhang Z;
XX
DR   WPI; 2001-602746/68.
DR   N-PSDB; AAS46033.
XX
PT   Novel nucleic acids encoding PRO polypeptides, used to diagnose the
PT   presence of tumors, such as prostate and breast tumors, in mammals and to
PT   screen for modulators of the compounds.
XX
PS   Claim 11; Fig 218; 774pp; English.
XX
CC   Sequences AAU29024-AAU29328 represent PRO polypeptides of the invention.
CC   The PRO polypeptides and their associated nucleic acids can be used to
CC   detect the presence of a tumour in a mammal by comparing the level of
CC   expression of a PRO polypeptide in a test sample of cells from the animal
CC   and a control sample of normal cells, whereby a higher level of
CC   expression in the test sample indicates the presence of a tumour in the
CC   mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats
CC   and rabbits but are preferably human. The polypeptides can be used to
CC   stimulate tumour necrosis factor (TNF) alpha release from human blood,
CC   when contacted with it. A specific polypeptide can be used to stimulate
CC   the proliferation or differentiation of chondrocyte cells. The PRO
CC   proteins can be used to determine the presence of tumours and also
CC   susceptibility to tumour development, particularly adrenal, lung, colon,
CC   breast, prostate, rectal, cervical, or liver tumours, in mammalian
CC   subjects. The oligonucleotide probes specific for the PRO nucleic acids
CC   can be used for genetic analysis of individuals with genetic disorders
XX
SQ   Sequence 282 AA;

  Query Match             100.0%;  Score 282;  DB 4;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-286;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 4
AAB87555
ID   AAB87555 standard; protein; 282 AA.
XX
AC   AAB87555;
XX
DT   15-MAY-2001  (first entry)
XX
DE   Human PRO1291.
XX
KW   Human; PRO protein; mapping.
XX
OS   Homo sapiens.
XX
PN   WO200116318-A2.
XX
PD   08-MAR-2001.
XX
PF   24-AUG-2000; 2000WO-US023328.
XX
PR   01-SEP-1999;   99WO-US020111.
PR   15-SEP-1999;   99WO-US021090.
PR   07-DEC-1999;   99US-0169495P.
PR   09-DEC-1999;   99US-0170262P.
PR   11-JAN-2000; 2000US-0175481P.
PR   18-FEB-2000; 2000WO-US004341.
PR   18-FEB-2000; 2000WO-US004342.
PR   22-FEB-2000; 2000WO-US004414.
PR   01-MAR-2000; 2000WO-US005601.
PR   03-MAR-2000; 2000US-0187202P.
PR   21-MAR-2000; 2000US-0191007P.
PR   30-MAR-2000; 2000WO-US008439.
PR   25-APR-2000; 2000US-0199397P.
PR   22-MAY-2000; 2000WO-US014042.
PR   05-JUN-2000; 2000US-0209832P.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Eaton DL,  Filvaroff E,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi CJ,  Gurney AL,  Watanabe CK,  Wood WI;
XX
DR   WPI; 2001-183260/18.
DR   N-PSDB; AAF92087.
XX
PT   Eighty four nucleic acids encoding PRO polypeptides, useful in molecular
PT   biology, including use as hybridization probes, and in chromosome and
PT   gene mapping.
XX
PS   Claim 12; Fig 60; 278pp; English.
XX
CC   The present sequence is a human PRO polypeptide (secreted and
CC   transmembrane). The PRO protein, and PRO agonists, PRO antagonists or
CC   anti-PRO antibodies are useful for preparation of a medicament useful in
CC   the treatment of a condition which is responsive to the PRO protein,
CC   agonists, antagonists or anti-PRO antibodies. The PRO protein may also be
CC   employed as molecular weight markers for protein electrophoresis. The PRO
CC   coding sequence has applications in molecular biology, including use as
CC   hybridisation probes, and in chromosome and gene mapping
XX
SQ   Sequence 282 AA;

  Query Match             100.0%;  Score 282;  DB 4;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-286;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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                 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                 |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 5
AAB99204
ID   AAB99204 standard; protein; 282 AA.
XX
AC   AAB99204;
XX
DT   04-SEP-2001  (first entry)
XX
DE   Human ovarian tumour-derived antigen O8E #1.
XX
KW   Cytostatic; human; breast tumour protein; breast cancer; ovarian tumour;
KW   antigen; O8E.
XX
OS   Homo sapiens.
XX
PN   WO200140269-A2.
XX
PD   07-JUN-2001.
XX
PF   29-NOV-2000; 2000WO-US032520.
XX
PR   30-NOV-1999;   99US-00451651.
PR   22-FEB-2000; 2000US-00510662.
PR   10-MAR-2000; 2000US-00523586.
PR   07-APR-2000; 2000US-00545068.
PR   15-MAY-2000; 2000US-00571025.
XX
PA   (CORI-) CORIXA CORP.
XX
PI   Dillon DC,  Day CH,  Jiang Y,  Houghton RL,  Mitcham JL,  Wang A;
XX
DR   WPI; 2001-356154/37.
DR   N-PSDB; AAH55681.
XX
PT   Breast tumor polypeptides and the nucleic acids that encode them, useful
PT   for the prevention, diagnosis and treatment of breast cancer.
XX
PS   Example 3; Page 190; 221pp; English.
XX
CC   The present invention relates to human breast tumour protein coding
CC   sequences (see AAH55479-AAH55513, AAH55517-AAH55679 and AAH55682-
CC   AAH55762). The breast tumour protein DNA sequences may be used in the
CC   prevention, diagnosis and treatment of diseases associated with
CC   inappropriate expression of the breast tumour protein e.g. breast cancer.
CC   The present sequence is a human ovarian tumour-derived antigen, which was
CC   used in an example from the present invention
XX
SQ   Sequence 282 AA;

  Query Match           100.0%;  Score 282;  DB 4;  Length 282;
  Best Local Similarity  100.0%;  Pred. No. 2.8e-286;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 6
AAB65242
ID   AAB65242 standard; protein; 282 AA.
XX
AC   AAB65242;
XX
DT   02-APR-2001  (first entry)
XX
DE   Human PRO1291 (UNQ659) protein sequence SEQ ID NO:291.
XX
KW   Human; secreted and transmembrane protein; PRO; cytostatic; cell death;
KW   cancer; chromosomal mapping; gene mapping; tissue typing;
KW   diagnostic assay.
XX
OS   Homo sapiens.
XX
PN   WO200073454-A1.
XX
PD   07-DEC-2000.
XX
PF   30-MAR-2000; 2000WO-US008439.
XX
PR   02-JUN-1999;   99WO-US012252.
PR   23-JUN-1999;   99US-0141037P.
PR   07-JUL-1999;   99US-0143048P.
PR   20-JUL-1999;   99US-0144758P.
PR   26-JUL-1999;   99US-0145698P.
PR   28-JUL-1999;   99US-0146222P.
PR   17-AUG-1999;   99US-0149396P.
PR   15-SEP-1999;   99WO-US021090.
PR   15-SEP-1999;   99WO-US021547.
PR   08-OCT-1999;   99US-0158663P.
PR   30-NOV-1999;   99WO-US028313.
PR   01-DEC-1999;   99WO-US028301.
PR   16-DEC-1999;   99WO-US030095.
PR   20-DEC-1999;   99WO-US030911.
PR   05-JAN-2000; 2000WO-US000219.
PR   06-JAN-2000; 2000WO-US000376.
PR   11-FEB-2000; 2000WO-US003565.
PR   18-FEB-2000; 2000WO-US004341.
PR   22-FEB-2000; 2000WO-US004414.
PR   24-FEB-2000; 2000WO-US004914.
PR   24-FEB-2000; 2000WO-US005004.
PR   02-MAR-2000; 2000WO-US005841.
PR   15-MAR-2000; 2000WO-US006884.
PR   20-MAR-2000; 2000WO-US007377.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Ashkenazi AJ,  Baker KP,  Botstein D,  Desnoyers L,  Eaton DL;
PI   Ferrara N,  Fong S,  Gerber H,  Gerritsen ME,  Goddard A,  Godowski PJ;
PI   Grimaldi CJ,  Gurney AL,  Kljavin IJ,  Napier MA,  Pan J,  Paoni NF;
PI   Roy MA,  Stewart TA,  Tumas D,  Watanabe CK,  Williams PM,  Wood WI;
PI   Zhang Z;
XX
DR   WPI; 2001-032160/04.
DR   N-PSDB; AAF44205.
XX
PT   PRO polynucleotides used to produce polypeptides used to target bioactive
PT   molecules such as toxins, radiolabels or antibodies, to specific cells,
PT   to cause targeted cell death.
XX
PS   Claim 12; Fig 208; 935pp; English.
XX
```

```
CC   The present invention describes human secreted and transmembrane PRO
CC   proteins. The PRO proteins have cytostatic activity. The PRO proteins can
CC   be used for targeted delivery of bioactive molecules, such as toxins;
CC   radiolabels or antibodies, that cause cell death. PRO nucleotide
CC   sequences, and their fragments, can be used as hybridisation probes, in
CC   chromosomal and gene mapping, and in the generation of anti-sense RNA and
CC   DNA. They may also be used to produce transgenic animals which are used
CC   to develop and screen therapeutically useful reagents. The PRO nucleotide
CC   and protein sequence can be used for tissue typing and in treating
CC   cancer. Anti-PRO antibodies can be used in diagnostic assays. AAF44270 to
CC   AAF44470 represent PCR primers and hybridisation probes used in the
CC   isolation of human PRO sequences. AAF44087 to AAF44269 and AAB65154 to
CC   AAB65300 represent human PRO polynucleotide and protein sequences given
CC   in the exemplification of the present invention
XX
SQ   Sequence 282 AA;

  Query Match             100.0%;  Score 282;  DB 4;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-286;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 7
AAE20311
ID   AAE20311 standard; protein; 282 AA.
XX
AC   AAE20311;
XX
DT   18-JUN-2002  (first entry)
XX
DE   Human B7-H8 protein #1.
XX
KW   Human; B7-like protein; inflammation; tissue damage; immune disorder;
KW   Addison's disease; autoimmune haemolytic anaemia; autoimmune thyroiditis;
KW   diabetes mellitus; Crohn's disease; multiple sclerosis; allergy; cancer;
KW   rheumatoid arthritis; cardiovascular disorder; nervous system disorder;
KW   myocardial ischaemia; ulcerative colitis; reproductive system disorder;
KW   Alzheimer's disease; Parkinson's disease; endocrine disorder; hepatitis;
KW   diabetes mellitus; Grave's disease; Paget's disease; liver disorder;
KW   gastrointestinal disorder; irritable bowel syndrome; cerebral anoxia;
KW   dysphagia; hepatomegaly; neurological disease; infectious disease;
KW   epilepsy; gene therapy; B7-H8 protein; chromosome 1.
XX
OS   Homo sapiens.
XX
FH   Key             Location/Qualifiers
FT   Peptide         1. .24
FT                   /label= Signal_peptide
FT   Protein         25. .282
FT                   /note= "Mature B7-H8 protein"
XX
PN   WO200202587-A1.
XX
PD   10-JAN-2002.
XX
PF   29-JUN-2001; 2001WO-US020917.
XX
PR   30-JUN-2000; 2000US-0215135P.
PR   14-AUG-2000; 2000US-0225266P.
XX
PA   (HUMA-) HUMAN GENOME SCI INC.
XX
PI   Fiscella M,  Ni J,  Ruben SM;
XX
DR   WPI; 2002-257198/30.
DR   N-PSDB; AAD32519.
XX
PT   Isolated nucleic acids encoding human B7-like polypeptides, useful for
PT   diagnosis and treatment of e.g. inflammation, cancer, immune disorders
PT   such as Addison's disease, and cardiovascular disorders such as
PT   myocardial ischemias.
XX
PS   Example 1; Fig 1; 493pp; English.
XX
CC   The present invention relates to novel human B7-like polypeptides and
CC   polynucleotides encoding such proteins. Sequences of the invention are
CC   used for preventing, treating or ameliorating a medical condition in a
CC   mammalian subject. The polynucleotides and polypeptides are administered
CC   to subjects having a disorder related to B-7 Like polypeptides, such as
CC   inappropriate or excessive inflammation which can lead to tissue damage
CC   or even death, where the inflammation is brought about by the activation
CC   of certain cells in the body e.g. T cells and may involve disorders
CC   related to immune system. The nucleic acids, proteins, antibodies,
CC   agonists and antagonists of the invention are useful in the diagnosis,
CC   treatment and prevention of cancer (e.g. cancers of the adrenal gland,
CC   bone, bone marrow, breast, gastrointestinal tract, liver, urogenital or
CC   lung), immune disorders (e.g., Addison's disease, allergies, autoimmune
CC   haemolytic anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's
CC   disease, multiple sclerosis, rheumatoid arthritis, ulcerative colitis),
CC   cardiovascular disorders (e.g., myocardial ischaemias), nervous system
CC   disorders (Alzheimer's disease, Parkinson's disease), endocrine disorders
CC   (e.g., diabetes mellitus, Grave's disease), reproductive system disorders
CC   (e.g., cryptorchism, Paget's disease), gastrointestinal disorders (e.g.,
CC   dysphagia, irritable bowel syndrome), liver disorders (e.g., hepatitis,
CC   hepatomegaly), neurological diseases (e.g., cerebral anoxia and epilepsy)
CC   and infectious diseases such as viral, bacterial, fungal and parasitic
CC   infections. Sequences of the invention are also used in gene therapy. The
CC   present sequence is human B7-H8 protein. B7-H8 gene is located on
CC   chromosome 1
XX
SQ   Sequence 282 AA;

  Query Match             100.0%;  Score 282;  DB 5;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-286;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
```

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RESULT 8
ABG96445
ID   ABG96445 standard; protein; 282 AA.
XX
AC   ABG96445;
XX
DT   11-DEC-2002  (first entry)
XX
DE   Human ovarian cancer marker OV88.
XX
KW   Human; ovarian cancer; marker; cancer; familial history; brain disorder;
KW   central nervous system disorder; bacterial meningitis; viral meningitis;
KW   Alzheimer's disease; Parkinson's disease; cerebral oedema; hydrocephalus;
KW   brain herniation; inflammation; encephalitis; testicular disorder;
KW   nontuberculous granulomatous orchitis; connective tissue disorder;
KW   heart disorder; ischaemic heart disease; atherosclerosis; neoplasm;
KW   histological type; carcinogenic; ovarian cancer marker.
XX
OS   Homo sapiens.
XX
PN   WO200271928-A2.
XX
PD   19-SEP-2002.
XX
PF   14-MAR-2002; 2002WO-US007826.
XX
PR   14-MAR-2001; 2001US-0276025P.
PR   14-MAR-2001; 2001US-0276026P.
PR   10-AUG-2001; 2001US-0311732P.
PR   19-SEP-2001; 2001US-0323580P.
PR   26-SEP-2001; 2001US-0324967P.
PR   26-SEP-2001; 2001US-0325102P.
PR   26-SEP-2001; 2001US-0325149P.
XX
PA   (MILL-) MILLENNIUM PHARM INC.
XX
PI   Monahan JE,  Gannavarapu M,  Hoersch S,  Kamatkar S,  Kovatis SG;
PI   Meyers RE,  Morrisey MP,  Olandt PJ,  Sen A,  Vieby PO,  Mills GB;
PI   Bast RC,  Lu K,  Schmandt RE,  Zhao X,  Glatt K;
XX
DR   WPI; 2002-723277/78.
DR   N-PSDB; ABS76544.
XX
PT   Assessing whether a patient is afflicted with ovarian cancer, useful in
PT   assessing the stage or progression of the disease, comprises comparing
PT   the expression level of a cancer marker in a sample from a patient and
PT   from a non cancer patient.
XX
PS   Disclosure; Page 468-469; 481pp; English.
XX
CC   The present invention relates to a new method for assessing whether a
CC   patient is afflicted with ovarian cancer. The method involves comparing
CC   the expression level of a marker in a patient sample and the normal level
CC   of expression of the marker in a control non-ovarian cancer sample, where
CC   the marker is selected from 363 cancer markers described in the
CC   specification. The method of the invention is useful in diagnosing or
CC   characterising cancer, in detecting the presence of cancer as early as
CC   possible, and the recurrence of ovarian cancer. The method may also be of
CC   particular use with patients having an enhanced risk of developing
CC   ovarian cancer (e.g. patients having a familial history of ovarian
CC   cancer). The cancer markers may be used in the management and treatment
CC   of e.g. brain and central nervous system disorders (e.g. bacterial and
CC   viral meningitis, Alzheimer's disease or Parkinson's disease), brain
CC   disorders (e.g. cerebral oedema, hydrocephalus or brain herniations),
CC   inflammations (e.g. bacterial or viral meningitis or encephalitis),
CC   testicular disorders (e.g. nontuberculous granulomatous orchitis),
CC   connective tissue disorders, or heart disorders (e.g. ischaemic heart
CC   disease or atherosclerosis). The compositions and methods may also be
CC   used in assessing the histological type of neoplasm associated with
CC   ovarian cancer, monitoring the progression of ovarian cancer, determining
CC   whether ovarian cancer has metastasized or is likely to metastasize,
CC   selecting a composition for inhibiting ovarian cancer, assessing the
CC   ovarian carcinogenic potential of a compound, or inhibiting ovarian
CC   cancer or at risk of developing ovarian cancer. The present amino acid
CC   sequence represents one of the ovarian cancer markers described in the
CC   invention
XX
SQ   Sequence 282 AA;

  Query Match             100.0%;  Score 282;  DB 5;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-286;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
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Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 9
AAU77766
ID   AAU77766 standard; protein; 282 AA.
XX
AC   AAU77766;
XX
DT   05-JUN-2002  (first entry)
XX
DE   Tumour associated antigenic target polypeptide (TAT) 136.
XX
KW   Tumour associated antigenic target polypeptide; TAT; cancer;
KW   breast cancer; colorectal cancer; lung cancer; ovarian cancer;
KW   central nervous system cancer; liver cancer; bladder cancer;
KW   pancreatic cancer; cervical cancer; melanoma; leukaemia; TAT136.
XX
OS   Homo sapiens.
XX
FH   Key             Location/Qualifiers
FT   Peptide         1. .28
FT                   /label= Signal_peptide
FT   Protein         29. .282
FT                   /label= Mature_TAT136
FT                   /note= "Tumour associated antigenic target polypeptide"
FT   Region          52. .58
FT                   /label= N-myristoylation_site
FT   Region          112. .116
FT                   /label= N-glycosylation_site
FT   Domain          119. .123
FT                   /label= Immunoglobulin_domain
FT   Region          126. .132
FT                   /label= N-myristoylation_site
FT   Region          160. .164
FT                   /label= N-glycosylation_site
FT   Region          188. .194
FT                   /label= N-myristoylation_site
FT   Region          190. .194
FT                   /label= N-glycosylation_site
FT   Region          196. .200
FT                   /label= N-glycosylation_site
FT   Region          205. .209
FT                   /label= N-glycosylation_site
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FT   Region          216. .220
FT                   /label= N-glycosylation_site
FT   Region          220. .224
FT                   /label= N-glycosylation_site
FT   Domain          258. .282
FT                   /label= Transmembrane_domain
XX
PN   WO200216581-A2.
XX
PD   28-FEB-2002.
XX
PF   14-AUG-2001; 2001WO-US025464.
XX
PR   24-AUG-2000; 2000WO-US023328.
PR   28-FEB-2001; 2001WO-US006520.
PR   22-JUN-2001; 2001US-00888257.
PR   22-JUN-2001; 2001WO-US020118.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Gao W,  Polakis P,  Shou J,  Smith V,  Soriano R,  Williams PM;
PI   Wu TD,  Zhang Z;
XX
DR   WPI; 2002-280928/32.
DR   N-PSDB; ABK11744.
XX
PT   Novel isolated antibody which binds to tumor-associated antigenic target
PT   polypeptide useful for killing cancer cells expressing the polypeptide
PT   and for treating tumor comprising cells that expresses the polypeptide.
XX
PS   Claim 2; Fig 8; 123pp; English.
XX
CC   The invention describes an isolated antibody which binds to a tumour-
CC   associated antigenic target (TAT) polypeptide. The antibody is useful
CC   for: killing a cancer cell (such as a breast, colorectal, lung, ovarian,
CC   central nervous system, liver, bladder, pancreatic, cervical, melanoma or
CC   leukaemia cell) that expresses a polypeptide with at least 80% identity
CC   to the TAT polypeptide sequence; treating a tumour comprising cells that
CC   express a polypeptide with at least 80% identity to the TAT polypeptide
CC   sequence; determining the presence of a polypeptide having at least 80 %
CC   identity to the TAT polypeptide sequence in a sample suspected of
CC   containing the polypeptide; diagnosing the presence of a tumour in a
CC   mammal, and for antibody dependent enzyme mediated prodrug therapy
CC   (ADEPT). This is the amino acid sequence of the tumour associated
CC   antigenic target polypeptide (TAT) 136, described in the invention
XX
SQ   Sequence 282 AA;

  Query Match             100.0%;  Score 282;  DB 5;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-286;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
```

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RESULT 10
ABG95880
ID   ABG95880 standard; protein; 282 AA.
XX
AC   ABG95880;
XX
DT   10-DEC-2002  (first entry)
XX
DE   Human secreted/transmembrane protein PRO1291.
XX
KW   Human; secreted protein; transmembrane protein; antirheumatic;
KW   antiarthritic; osteopathic; sports-related joint problem;
KW   articular cartilage defect; osteoarthritis; rheumatoid arthritis.
XX
OS   Homo sapiens.
XX
PN   US2002119130-A1.
XX
PD   29-AUG-2002.
XX
PF   06-DEC-2001; 2001US-00006867.
XX
PR   29-OCT-1997;   97US-0063435P.
PR   29-OCT-1997;   97US-0064215P.
PR   22-APR-1998;   98US-0082797P.
PR   29-APR-1998;   98US-0083495P.
PR   15-MAY-1998;   98US-0085579P.
PR   02-JUN-1998;   98US-0087759P.
PR   04-JUN-1998;   98US-0088021P.
PR   04-JUN-1998;   98US-0088029P.
PR   04-JUN-1998;   98US-0088030P.
PR   10-JUN-1998;   98US-0088734P.
PR   10-JUN-1998;   98US-0088740P.
PR   10-JUN-1998;   98US-0088811P.
PR   10-JUN-1998;   98US-0088824P.
PR   10-JUN-1998;   98US-0088825P.
PR   11-JUN-1998;   98US-0088863P.
PR   12-JUN-1998;   98US-0089105P.
PR   16-JUN-1998;   98US-0089514P.
PR   17-JUN-1998;   98US-0089653P.
PR   19-JUN-1998;   98US-0089952P.
PR   22-JUN-1998;   98US-0090246P.
PR   24-JUN-1998;   98US-0090444P.
PR   25-JUN-1998;   98US-0090688P.
PR   25-JUN-1998;   98US-0090696P.
PR   26-JUN-1998;   98US-0090862P.
PR   02-JUL-1998;   98US-0091628P.
PR   10-AUG-1998;   98US-0096012P.
PR   17-AUG-1998;   98US-0096757P.
PR   18-AUG-1998;   98US-0096949P.
PR   18-AUG-1998;   98US-0096959P.
PR   26-AUG-1998;   98US-0097954P.
PR   26-AUG-1998;   98US-0097971P.
PR   26-AUG-1998;   98US-0097979P.
PR   01-SEP-1998;   98US-0098749P.
PR   10-SEP-1998;   98US-0099741P.
PR   10-SEP-1998;   98US-0099763P.
PR   10-SEP-1998;   98US-0099792P.
PR   10-SEP-1998;   98US-0099812P.
PR   10-SEP-1998;   98US-0099815P.
PR   16-SEP-1998;   98US-0100627P.
PR   16-SEP-1998;   98US-0100662P.
PR   16-SEP-1998;   98WO-US019330.
PR   17-SEP-1998;   98US-0100683P.
PR   17-SEP-1998;   98US-0100684P.
PR   17-SEP-1998;   98US-0100930P.
PR   22-SEP-1998;   98US-0101279P.
PR   23-SEP-1998;   98US-0101475P.
PR   24-SEP-1998;   98US-0101738P.
PR   24-SEP-1998;   98US-0101743P.
PR   24-SEP-1998;   98US-0101916P.
PR   30-SEP-1998;   98US-0102570P.
PR   06-OCT-1998;   98US-0103449P.
```

PR 08-MAR-1999; 99WO-US005028.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021194.
PR 22-DEC-1999; 99WO-US030720.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 01-MAR-2000; 2000WO-US005601.
PR 30-MAR-2000; 2000WO-US008439.
PR 22-MAY-2000; 2000WO-US014042.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032378.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 30-MAY-2001; 2001WO-US017443.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
XX
PA (GETH) GENENTECH INC.
XX
PI Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
XX
DR WPI; 2002-731348/79.
DR N-PSDB; ABS74407.
XX
PT New isolated secreted and transmembrane PRO polypeptide useful for
PT modulating biological activity of a cell, or for treating sports-related
PT joint problems, osteoarthritis or rheumatoid arthritis.
XX
PS Claim 20; Fig 60; 399pp; English.
XX
CC The invention relates to an isolated secreted and transmembrane PRO
CC polypeptide having 80 % sequence identity to a sequence appearing as
CC ABG95851-ABG95934 or their associated signal peptide, or a sequence of an
CC extracellular domain of the proteins with their associated signal peptide
CC or lacking its associated signal peptide. Also included are the nucleic
CC acids encoding the proteins, vectors, host cells, fusion proteins and
CC antibodies which specifically bind to the proteins. The proteins are
CC useful for detecting a polypeptide designated as A, B, C or D in a sample
CC suspected of containing an A, B, C or D polypeptide, by contacting the
CC sample with a polypeptide designated as E, F, G, H or I (or vice versa)
CC and determining the formation of a A/E, B/F, B/G, C/H or D/I polypeptide
CC conjugate in the sample, where the formation of the conjugate is
CC indicative of the presence of an A, B, C or D polypeptide in the sample,
CC where A is a PRO10272 polypeptide, B is a PRO20110 polypeptide, C is a
CC PRO10096 polypeptide, D is a PRO19760 polypeptide, E is a PRO5801
CC polypeptide, F is a PRO1 polypeptide, G is a PRO20040 polypeptide, H is a
CC PRO20233 polypeptide and I is a PRO1890 polypeptide. The sample comprises
CC a cell suspected of expressing the A, B, C or D polypeptide. The E, F, G,
CC H or I polypeptide is labeled with a detectable label or is attached to a
CC solid support. The proteins are useful for linking a bioactive molecule
CC to a cell expressing a polypeptide designated as A, B, C or D or E, F, G,
CC H or I. The bioactive molecule is a toxin, a radiolabel or an antibody.
CC The bioactive molecule causes death of the cell. A, B, C, D, E, F, G, H,
CC or I, or antibodies against them are useful for modulating a biological
CC activity of a cell expressing a polypeptide designated as A, B, C or D or
CC E, F, G, H, or I. The cell is killed. The proteins are useful for
CC identifying agonists or antagonists, for the preparation of a medicament
CC useful in the treatment of a condition which is responsive to the
CC proteins, as molecular weight markers for protein electrophoresis
CC purposes, and as therapeutic agents for treating sports-related joint
CC problems, articular cartilage defects, osteoarthritis or rheumatoid
CC arthritis. Nucleic acids encoding the proteins are useful as
CC hybridisation probes, in chromosome and gene mapping, in the generation
CC of anti-sense RNA and DNA, for the preparation of the proteins, to
CC generate transgenic or knockout animals which are useful in the
CC development and screening of therapeutic useful reagents, for chromosome
CC identification, and in gene therapy. The antibody is useful as a
CC therapeutic agent, in a diagnostic assay and for affinity purification of
CC the protein from recombinant cell culture natural sources. The present
CC sequence represents a novel secreted or transmembrane protein of the
CC invention
XX
SQ Sequence 282 AA;

Query Match 100.0%; Score 282; DB 5; Length 282;
Best Local Similarity 100.0%; Pred. No. 2.8e-286;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
```

RESULT 11
AAU76536
ID AAU76536 standard; protein; 282 AA.
XX
AC AAU76536;
XX
DT 05-JUN-2002 (first entry)
XX
DE Tumour-associated antigenic target protein, TAT136.
XX
KW TAT136; Tumour-associated Antigenic Target; tumour; breast cancer;
KW colorectal cancer; lung cancer; ovarian cancer;
KW central nervous system cancer; liver cancer; bladder cancer; melanoma;
KW pancreatic cancer; leukaemia; gene therapy.
XX
OS Homo sapiens.
XX

FH	Key	Location/Qualifiers
FT	Peptide	1. .28
FT		/note= "Signal sequence"
FT	Protein	29. .282
FT		/note= "Mature TAT134"
FT	Domain	49. .132
FT		/note= "Immunoglobulin domain"
FT	Modified-site	52. .58
FT		/note= "N-myristoylation site"
FT	Modified-site	112. .116
FT		/note= "Asn is N-glycosylated"
FT	Modified-site	126. .132
FT		/note= "N-myristoylation site"
FT	Modified-site	160. .164
FT		/note= "Asn is N-glycosylated"
FT	Modified-site	190. .194
FT		/note= "Asn is N-glycosylated"
FT	Modified-site	196. .200
FT		/note= "Asn is N-glycosylated"

```
FT   Modified-site   205. .209
FT                   /note= "Asn is N-glycosylated"
FT   Modified-site   216. .220
FT                   /note= "Asn is N-glycosylated"
FT   Modified-site   220. .224
FT                   /note= "Asn is N-glycosylated"
FT   Domain          258. .281
FT                   /note= "Transmembrane domain"
XX
PN   WO200216429-A2.
XX
PD   28-FEB-2002.
XX
PF   22-JUN-2001; 2001WO-US020118.
XX
PR   24-AUG-2000; 2000WO-US023328.
PR   26-SEP-2000; 2000US-0235451P.
PR   01-DEC-2000; 2000WO-US032678.
PR   28-FEB-2001; 2001WO-US006520.
PR   01-MAR-2001; 2001WO-US006666.
XX
PA   (GETH ) GENENTECH INC.
XX
PI   Goddard A, Godowski PJ, Gurney AL, Hillan KJ, Polakis P, Smith V;
PI   Wood WI, Wu TD, Zhang Z;
XX
DR   WPI; 2002-280917/32.
DR   N-PSDB; ABK11091.
XX
PT   Novel isolated tumor-associated antigenic target polypeptides which are
PT   useful as targets for cancer therapy and diagnosis in mammals.
XX
PS   Claim 12; Fig 8; 121pp; English.
XX
CC   The invention relates to an isolated tumour-associated antigenic target
CC   polypeptide (TAT) (I), specifically TAT134-TAT138 polypeptides, and the
CC   polynucleotides (II) encoding them. (II) is useful for diagnosing the
CC   presence of a tumour in a mammal, where the level of expression of (II)
CC   is indicative on the presence of tumour in the mammal from which the test
CC   sample was obtained. Antibody to (I) is useful for killing a cancer cell
CC   (e.g. breast cancer cell, a colorectal cancer cell, a lung cancer cell,
CC   an ovarian cancer cell, a central nervous system (CNS) cancer cell, a
CC   liver cancer cell, a bladder cancer cell, a pancreatic cancer cell, a
CC   melanoma cell or a leukaemia cell) that expresses (I). Oligonucleotides
CC   hybridising to (II) are useful as diagnostic probes, antisense
CC   oligonucleotide probes or for encoding fragments of full length TAT
CC   polypeptide. (II) is also useful in chromosome and gene mapping and in
CC   the generation of antisense RNA and DNA probes, for constructing
CC   hybridisation probes for mapping the gene encoding TAT and for genetic
CC   analysis of individuals with genetic disorders. (II) is also useful for
CC   generating either transgenic animals or knockout animals, and in gene
CC   therapy. The TAT polypeptides and nucleic acids may also be used for
CC   tissue typing and the TAT polypeptides are useful for screening compounds
CC   that mimic the TAT polypeptide (agonist) or prevent the effect of TAT
CC   polypeptide (antagonist). The antibody is useful for staging TAT
CC   polypeptide-expressing cancers, purifying or immunoprecipitating TAT
CC   polypeptide from cells, for detection and quantitation of TAT polypeptide
CC   in vitro, e.g., in an enzyme linked immunosorbent assay (ELISA) or
CC   Western blot. The antibodies are also useful for treating a TAT-
CC   expressing cancer or alleviating one or more symptoms of cancer in a
CC   mammal. The present sequence represents the amino acid sequence of TAT136
XX
SQ   Sequence 282 AA;

  Query Match             100.0%;  Score 282;  DB 5;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-286;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
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Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 12
ABP30901
ID   ABP30901 standard; protein; 282 AA.
XX
AC   ABP30901;
XX
DT   02-JUL-2002  (first entry)
XX
DE   O8E protein #2.
XX
KW   Human; immunostimulant; cytostatic; cancer; ovarian carcinoma.
XX
OS   Homo sapiens.
XX
PN   WO200206317-A2.
XX
PD   24-JAN-2002.
XX
PF   17-JUL-2001; 2001WO-US022635.
XX
PR   17-JUL-2000; 2000US-00617747.
PR   10-AUG-2000; 2000US-00636801.
PR   20-SEP-2000; 2000US-00667857.
PR   04-APR-2001; 2001US-00827271.
PR   18-JUN-2001; 2001US-00884441.
XX
PA   (CORI-) CORIXA CORP.
XX
PI   Mitcham JL, King GE, Algate PA, Fling SP, Retter MW, Fanger GR;
PI   Reed SG, Vedvick TS, Carter D, Hill P, Albone E;
XX
DR   WPI; 2002-164781/21.
DR   N-PSDB; ABN72971.
XX
PT   Polypeptides comprising an immunogenic portion of an ovarian carcinoma
PT   protein or its variants, useful for stimulating an immune response in a
PT   patient and treating ovarian cancer.
XX
PS   Claim 34; Page 321-322; 408pp; English.
XX
CC   This invention relates to polypeptides comprising an immunogenic portion
CC   of an ovarian carcinoma protein which acts as an immunostimulant and is
CC   cytostatic. The polypeptides, polynucleotides, antibodies, fusion
CC   proteins, T cell populations and antigen presenting cells that express
CC   the polypeptides are useful for stimulating an immune response in a
CC   patient and treating ovarian cancer. This sequence represents protein
CC   related to the invention
XX
SQ   Sequence 282 AA;

  Query Match             100.0%;  Score 282;  DB 5;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-286;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
```

```
Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
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Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
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Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
```

RESULT 13
ABB76274
ID ABB76274 standard; protein; 282 AA.
XX
AC ABB76274;
XX
DT 12-AUG-2002 (first entry)
XX
DE Breast BS265 polypeptide.
XX
KW BS265; human; breast; cancer; tumour; metastasis; diagnosis;
KW gene therapy.
XX
OS Homo sapiens.
XX
PN US2002034749-A1.
XX
PD 21-MAR-2002.
XX
PF 07-MAY-2001; 2001US-00850178.
XX
PR 18-NOV-1997; 97US-00972376.
PR 18-NOV-1998; 98US-00193944.
XX
PA (BILL/) BILLINGEL P A.
PA (COHE/) COHEN M.
PA (COLP/) COLPITTS T L.
PA (FRIE/) FRIEDMAN P N.
PA (GORD/) GORDON J.
PA (GRAN/) GRANADOS E N.
PA (HODG/) HODGES S C.
PA (KLAS/) KLASS M R.
PA (KRAT/) KRATOCHVIL J D.
PA (ROBE/) ROBERTS-RAPP L A.
PA (RUSS/) RUSSELL J C.
PA (STRO/) STROUPE S D.
XX
PI Billingel PA, Cohen M, Colpitts TL, Friedman PN, Gordon J;
PI Granados EN, Hodges SC, Klass MR, Kratochvil JD, Roberts-Rapp LA;
PI Russell JC, Stroupe SD;
XX
DR WPI; 2002-403712/43.
DR N-PSDB; ABL57354.
XX
PT New BS265 proteins and nucleic acids, useful for detecting, diagnosing,
PT staging, monitoring, prognosticating, in vivo imaging, preventing,
PT treating, or determining the predisposition of an individual to breast
PT cancer.
XX
PS Claim 54; Page 45-46; 52pp; English.
XX
CC The present sequence is the protein sequence of human breast BS265
CC protein, as predicted from a BS265 expressed sequence tag clone (see
CC ABL57354). The invention provides a set of contiguous and partially
CC overlapping cDNA sequences (see ABL57345-63), designated as BS265 and
CC transcribed from breast tissue, and the polypeptides encoded by them.
CC These are useful for detecting, diagnosing, staging, monitoring,
CC prognosticating, in vivo imaging, preventing, treating, or determining
CC the predisposition of an individual to diseases and conditions of the
CC breast, such as breast cancer. Also provided are antibodies which
CC specifically bind to BS265 proteins, and agonists or inhibitors which
CC prevent action of the proteins, and which are useful for treatment of
CC breast disease, especially tumours and metastases
XX
SQ Sequence 282 AA;

```
  Query Match           100.0%;  Score 282;  DB 5;  Length 282;
  Best Local Similarity  100.0%;  Pred. No. 2.8e-286;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
```

RESULT 14
AAE18336
ID AAE18336 standard; protein; 282 AA.
XX
AC AAE18336;
XX
DT 07-MAY-2002 (first entry)
XX
DE Human B7-like protein (B7-L).
XX
KW Human; B7-like protein; B7-L; reproductive disorder; autoimmune disease;
KW proliferative disorder; infertility; hyperplasia; cancer; lung; breast;
KW brain; seminal vesicle; haematopoietic system; tumour; diabetes mellitus;
KW rheumatoid arthritis; systemic lupus erythematosis; toxic shock syndrome;
KW inflammatory bowel disease; psoriasis; allergy; Crohn's disease; vaccine;
KW Grave's disease; arteriosclerosis; multiple sclerosis; hypersensitivity;
KW nephropathy; skin disorder; endocrinopathy; vasculopathy; gynaecological;
KW myasthenia ravis; anaemia; lymphoproliferative disorder; neuroprotective;
KW cytostatic; multiple myeloma; tissue-degenerating disease; nephrotropic;
KW immunosuppressive; asthma; virucide; gene therapy.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT Peptide 1. .24
FT /label= Signal_peptide
FT Protein 25. .282
FT /label= Human_mature_B7-L_protein
XX
PN WO200202624-A2.
XX
PD 10-JAN-2002.
XX
PF 29-JUN-2001; 2001WO-US021297.
XX
PR 30-JUN-2000; 2000US-0215645P.
XX

```
PA   (AMGE-) AMGEN INC.
XX
PI   Fox M,  Sullivan JK,  Fang M;
XX
DR   WPI; 2002-171639/22.
DR   N-PSDB; AAD29253.
XX
PT   Novel B7-like polypeptides, polynucleotides and their modulators useful
PT   for prevention and treatment of reproductive, immune and proliferative
PT   disorders, e.g. cancer, arteriosclerosis.
XX
PS   Claim 13; Fig 1A-1B; 133pp; English.
XX
CC   The present invention relates to an isolated B7-like (B7-L) polypeptide
CC   and its polynucleotide. B7-1 and its modulators are useful for treating
CC   reproductive disorders (e.g. infertility, miscarriage, preterm labour and
CC   delivery and endometriosis) and proliferative disorders. Antibodies,
CC   soluble proteins comprising extracellular domains and other regulators of
CC   B7-L are useful for enhancing the immune response to tumours. B7-1 plays
CC   a role in growth and maintenance of cancer cells based on the observation
CC   of seminal vesicle hyperplasia in transgenic mice overexpressing B7-1.
CC   Modulators of B7-1 are useful for the treatment of cancer e.g. seminal
CC   vesicle, lung, brain, breast, ovarian, testicular cancer and cancers of
CC   haematopoietic system. B7-1 and their modulators are useful to treat
CC   autoimmune diseases such as systemic lupus erythematosis, rheumatoid
CC   arthritis, immune thrombocytopenic purpura and psoriasis, chronic
CC   inflammatory disease such as inflammatory bowel disease (Crohn's disease
CC   and ulcerative colitis), Grave's disease, Hashimoto's thyroiditis and
CC   diabetes mellitus. They are also useful as immunosuppressive agents for
CC   bone marrow and organ transplantation or to prolong graft survival.
CC   Modulators of B7-L are also useful for diagnosis and treatment of
CC   diseases involving abnormal cell proliferation, arteriosclerosis and
CC   vascular restenosis. Soluble B7-L serves as vaccine adjuvants.
CC   Antagonists of B7-L are useful for alleviation of toxic shock syndrome or
CC   allosensitisation due to blood transfusions, and for treatment of
CC   multiple sclerosis, allergy, asthma and hypersensitivity reactions,
CC   nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and
CC   pemphigoid), endocrinopathies, various pneumopathies, vasculopathies,
CC   coeliac disease, anaemia, thromobocytopaenia, Guillain-Barre syndrome and
CC   myasthenia gravis, and lymphoproliferative disorders such as multiple
CC   myeloma. B7-L gene is useful in gene therapy and to map the locations of
CC   B7-L gene and related genes on chromosomes, as hybridisation probes in
CC   diagnostic assays, for isolating corresponding chromosomal B7-L genes,
CC   and to identify heritable tissue-degenerating diseases. The present
CC   sequence is human B7-L protein
XX
SQ   Sequence 282 AA;

  Query Match             100.0%;  Score 282;  DB 5;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-286;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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RESULT 15
ABB09879
ID   ABB09879 standard; protein; 282 AA.
XX
AC   ABB09879;
XX
DT   30-JUL-2002  (first entry)
XX
DE   Amino acid sequence of the OREO gene (gene B).
XX
KW   Human; gene A; ovarian tumour; gene B; OREO; ovarian cancer.
XX
OS   Homo sapiens.
XX
FH   Key             Location/Qualifiers
FT   Domain          12. .31
FT                   /note= "predicted transmembrane domain"
FT   Domain          46. .145
FT                   /note= "predicted Ig domain"
FT   Modified-site   112
FT                   /note= "N-glycosylation site"
FT   Modified-site   160
FT                   /note= "N-glycosylation site"
FT   Modified-site   190
FT                   /note= "N-glycosylation site"
FT   Modified-site   196
FT                   /note= "N-glycosylation site"
FT   Modified-site   205
FT                   /note= "N-glycosylation site"
FT   Modified-site   216
FT                   /note= "N-glycosylation site"
FT   Modified-site   220
FT                   /note= "N-glycosylation site"
XX
PN   WO200194641-A2.
XX
PD   13-DEC-2001.
XX
PF   11-JUN-2001; 2001WO-US018700.
XX
PR   09-JUN-2000; 2000US-0210451P.
XX
PA   (IDEC-) IDEC PHARM CORP.
XX
PI   Ople E,  Mclachlan K,  Heard C;
XX
DR   WPI; 2002-404365/43.
DR   N-PSDB; ABL56582.
XX
PT   New polynucleotide and corresponding antigens from human ovarian cancer
PT   cells, useful for treatment and diagnosis of ovarian cancer.
XX
PS   Claim 12; Fig 7b; 71pp; English.
XX
CC   The present sequence represents a protein designated OREO. The OREO (Ople
CC   RDA of Epithelial Tissue vs. Ovary tumour) gene is a novel gene, also
CC   designated gene B. This gene was identified by representational
CC   difference analysis (RDA) screening, and is selectively expressed by
CC   certain human ovarian tumours. The specification also describes gene A,
CC   identified by the same method. Gene A and B polynucleotides are useful
CC   for detecting ovarian cancer. Their polypeptides are useful for treating
CC   ovarian cancer
XX
SQ   Sequence 282 AA;

  Query Match             100.0%;  Score 282;  DB 5;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 2.8e-286;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
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Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
              |||||||||||||||||||||||||||||||||||||||||||
Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Search completed: April 19, 2005, 07:31:43
Job time : 92 secs

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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: April 19, 2005, 07:17:40 ; Search time 83 Seconds
(without alignments)
1739.835 Million cell updates/sec

Title: US-10-773-715-6
Perfect score: 282
Sequence: 1 MASLGQILFWSIISIIIILA.....SSFFAISWALLPLSPYLMLK 282

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 1612378 seqs, 512079187 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1612378

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : UniProt_03:*
1: uniprot_sprot:*
2: uniprot_trembl:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	282	100.0	282	2	Q7Z7D3	Q7z7d3 homo sapien
2	228	80.9	282	2	Q9H6B2	Q9h6b2 homo sapien
3	187	66.3	187	2	Q6P097	Q6p097 homo sapien
4	61	21.6	283	2	Q8K091	Q8k091 mus musculu
5	61	21.6	283	2	Q7TPH5	Q7tph5 mus musculu
6	61	21.6	283	2	Q7TSP5	Q7tsp5 mus musculu
7	8	2.8	84	2	Q9B8D0	Q9b8d0 candida alb
8	8	2.8	106	2	Q8HXD1	Q8hxd1 macaca fasc
9	8	2.8	106	2	Q897X0	Q897x0 clostridium
10	8	2.8	118	2	Q6Y1Y6	Q6y1y6 pagrus majo
11	8	2.8	129	2	Q862X1	Q862x1 bos taurus
12	8	2.8	141	2	O66334	O66334 unidentifie
13	8	2.8	145	2	Q862L6	Q862l6 bos taurus
14	8	2.8	153	2	Q68F82	Q68f82 xenopus tro
15	8	2.8	164	2	Q8C2K0	Q8c2k0 mus musculu
16	8	2.8	165	1	RL12_BOVIN	P61284 bos taurus
17	8	2.8	165	1	RL12_HUMAN	P30050 homo sapien
18	8	2.8	165	1	RL12_MOUSE	P35979 mus musculu
19	8	2.8	165	1	RL12_NEUCR	Q9c285 neurospora
20	8	2.8	165	1	RL12_RAT	P23358 rattus norv
21	8	2.8	165	2	O60886	O60886 homo sapien
22	8	2.8	165	2	Q6QMZ7	Q6qmz7 chinchilla
23	8	2.8	165	2	Q66GW1	Q66gw1 xenopus lae
24	8	2.8	165	2	Q6DRE6	Q6dre6 brachydanio
25	8	2.8	165	2	Q7ZUG1	Q7zug1 brachydanio
26	8	2.8	165	2	Q8AVW0	Q8avw0 xenopus lae
27	8	2.8	167	2	Q90YV6	Q90yv6 ictalurus p
28	8	2.8	172	2	Q7UST1	Q7ust1 rhodopirell
29	8	2.8	174	2	Q7Q0Y7	Q7q0y7 anopheles g
30	8	2.8	191	2	Q6QAS5	Q6qas5 sus scrofa
31	8	2.8	218	2	Q6DI58	Q6di58 mus musculu
32	8	2.8	261	2	Q82UT7	Q82ut7 nitrosomona
33	8	2.8	279	2	Q7U3C8	Q7u3c8 synechococc
34	8	2.8	279	2	Q7V3T7	Q7v3t7 prochloroco
35	8	2.8	282	2	Q839V3	Q839v3 enterococcu
36	8	2.8	299	1	HTPX_STRMU	Q93d93 streptococc
37	8	2.8	314	2	Q92TR9	Q92tr9 rhizobium m
38	8	2.8	370	1	YGP9_YEAST	P53110 saccharomyc
39	8	2.8	430	2	Q6ADS0	Q6ads0 leifsonia x
40	8	2.8	564	2	Q6CWZ2	Q6cwz2 kluyveromyc
41	8	2.8	569	2	Q7U9Z8	Q7u9z8 synechococc
42	8	2.8	575	1	HEMA_PI1HW	P16071 human parai
43	8	2.8	575	2	O57310	O57310 human parai
44	8	2.8	575	2	Q06992	Q06992 human parai
45	8	2.8	575	2	Q77Z22	Q77z22 recombinant

ALIGNMENTS

RESULT 1
Q7Z7D3
ID Q7Z7D3 PRELIMINARY; PRT; 282 AA.
AC Q7Z7D3;
DT 01-OCT-2003 (TrEMBLrel. 25, Created)
DT 01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
DT 25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
DE Immune costimulatory protein B7-H4 (T cell costimulatory molecule B7x)
DE (B7h.5).
GN Name=B7-H4; ORFNames=UNQ659;
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Sica G.L., Choi I.-H., Zhu G., Tamada K., Wang S.-D., Tamura H.,
RA Chapoval A.I., Flies D.B., Bajorath J., Chen L.;
RL Submitted (APR-2003) to the EMBL/GenBank/DDBJ databases.
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=22833980; PubMed=12920180; DOI=10.1073/pnas.1434299100;
RA Zang X., Loke P., Kim J., Murphy K., Waitz R., Allison J.P.;
RT "B7x: a widely expressed B7 family member that inhibits T cell
RT activation.";
RL Proc. Natl. Acad. Sci. U.S.A. 100:10388-10392(2003).
RN [3]
RP SEQUENCE FROM N.A.
RX MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;
RA Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D., Brush J.,
RA Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P.,
RA Eaton D., Foster J., Grimaldi C., Gu Q., Hass P.E., Heldens S.,
RA Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J.,
RA Lewis L., Liao D., Mark M., Robbie E., Sanchez C., Schoenfeld J.,
RA Seshagiri S., Simmons L., Singh J., Smith V., Stinson J., Vagts A.,
RA Vandlen R., Watanabe C., Wieand D., Woods K., Xie M.H., Yansura D.,
RA Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A., Wood W.I.,
RA Godowski P.;
RT "The secreted protein discovery initiative (SPDI), a large-scale
RT effort to identify novel human secreted and transmembrane proteins: a
RT bioinformatics assessment.";
RL Genome Res. 13:2265-2270(2003).
RN [4]
RP SEQUENCE FROM N.A.
RC TISSUE=Brain;
RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

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RA   Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA   Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA   Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA   Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA   Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA   Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA   Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA   Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA   Jones S.J., Marra M.A.;
RT   "Generation and initial analysis of more than 15,000 full-length human
RT   and mouse cDNA sequences.";
RL   Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN   [5]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Brain;
RA   Director MGC Project;
RL   Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; AY280972; AAP37283.1; -.
DR   EMBL; AY346100; AAQ24206.1; -.
DR   EMBL; AY358352; AAQ88718.1; -.
DR   EMBL; BC074729; AAH74729.1; -.
DR   HSSP; Q63345; 1PKO.
DR   InterPro; IPR007110; Ig-like.
DR   Pfam; PF00047; ig; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   282 AA;  30878 MW;  1C9C565A9242E78C CRC64;

  Query Match             100.0%;  Score 282;  DB 2;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 5.6e-286;
  Matches  282;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

Qy         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Qy        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Db        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 2
Q9H6B2
ID   Q9H6B2      PRELIMINARY;      PRT;   282 AA.
AC   Q9H6B2;
DT   01-MAR-2001 (TrEMBLrel. 16, Created)
DT   01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
DT   01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE   Hypothetical protein FLJ22418.
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RA   Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S.,
RA   Okitani R., Ota T., Suzuki Y., Obayashi M., Nishi T., Shibahara T.,
RA   Tanaka T., Nakamura Y., Isogai T., Sugano S.;
RL   Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; AK026071; BAB15349.1; -.
DR   HSSP; Q63345; 1PKO.
DR   InterPro; IPR003599; Ig.
DR   InterPro; IPR007110; Ig-like.
DR   SMART; SM00409; IG; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   282 AA;  30893 MW;  6F9066999A1E9DB4 CRC64;

  Query Match             80.9%;  Score 228;  DB 2;  Length 282;
  Best Local Similarity   100.0%;  Pred. No. 1.7e-229;
  Matches  228;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         55 SCTFEPDIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNAS 114
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Db         55 SCTFEPDIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNAS 114

Qy        115 LRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWF 174
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Db        115 LRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWF 174

Qy        175 PQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKA 234
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        175 PQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKA 234

Qy        235 TGDIKVTESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Db        235 TGDIKVTESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282


RESULT 3
Q6P097
ID   Q6P097      PRELIMINARY;      PRT;   187 AA.
AC   Q6P097;
DT   05-JUL-2004 (TrEMBLrel. 27, Created)
DT   05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
DT   05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE   B7-H4 protein.
GN   Name=B7-H4;
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Prostate;
RX   MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA   Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA   Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA   Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA   Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA   Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA   Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA   Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA   Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA   Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA   Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA   Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA   Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA   Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA   Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA   Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA   Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA   Jones S.J., Marra M.A.;
RT   "Generation and initial analysis of more than 15,000 full-length human
RT   and mouse cDNA sequences.";
RL   Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Prostate;
RA   Strausberg R.;
RL   Submitted (JAN-2004) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; BC065717; AAH65717.1; -.
DR   InterPro; IPR007110; Ig-like.
DR   PROSITE; PS50835; IG_LIKE; 1.
SQ   SEQUENCE   187 AA;  20743 MW;  9AED6155AEED4E63 CRC64;
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  Query Match           66.3%;  Score 187;  DB 2;  Length 187;
  Best Local Similarity  100.0%;  Pred. No. 9.4e-187;
  Matches  187;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         96 MFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEV 155
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEV 60

Qy        156 NVDYNASSETLRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLY 215
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Db         61 NVDYNASSETLRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLY 120

Qy        216 NVTINNTYSCMIENDIAKATGDIKVTESEIKRRSHLQLLNSKASLCVSSFFAISWALLPL 275
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 NVTINNTYSCMIENDIAKATGDIKVTESEIKRRSHLQLLNSKASLCVSSFFAISWALLPL 180

Qy        276 SPYLMLK 282
              |||||||
Db        181 SPYLMLK 187


RESULT 4
Q8K091
ID   Q8K091      PRELIMINARY;      PRT;   283 AA.
AC   Q8K091;
DT   01-OCT-2002 (TrEMBLrel. 22, Created)
DT   01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   Immune costimulatory protein B7-H4.
GN   Name=BC032925;
OS   Mus musculus (Mouse).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX   NCBI_TaxID=10090;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Uterus;
RX   MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA   Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA   Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA   Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA   Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA   Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA   Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA   Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA   Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA   Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA   Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA   Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA   Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA   Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA   Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA   Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA   Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA   Jones S.J., Marra M.A.;
RT   "Generation and initial analysis of more than 15,000 full-length human
RT   and mouse cDNA sequences.";
RL   Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Uterus;
RA   Strausberg R.;
RL   Submitted (JUN-2002) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; BC032925; AAH32925.1; -.
DR   HSSP; Q63345; 1PKO.
DR   MGD; MGI:3039619; BC032925.
DR   InterPro; IPR003599; Ig.
DR   InterPro; IPR007110; Ig-like.
DR   SMART; SM00409; IG; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   283 AA;  30801 MW;  7E5817417323453B CRC64;

  Query Match           21.6%;  Score 61;  DB 2;  Length 283;
  Best Local Similarity  100.0%;  Pred. No. 9e-55;
  Matches   61;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 T 241
              |
Db        241 T 241


RESULT 5
Q7TPH5
ID   Q7TPH5      PRELIMINARY;      PRT;   283 AA.
AC   Q7TPH5;
DT   01-OCT-2003 (TrEMBLrel. 25, Created)
DT   01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   B7S1.
OS   Mus musculus (Mouse).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX   NCBI_TaxID=10090;
RN   [1]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=22703430; PubMed=12818166; DOI=10.1016/S1074-7613(03)00147-X;
RA   Prasad D.V., Richards S., Mai X.M., Dong C.;
RT   "B7S1, a novel B7 family member that negatively regulates T cell
RT   activation.";
RL   Immunity 18:863-873(2003).
DR   EMBL; AY322147; AAP88965.1; -.
DR   HSSP; Q63345; 1PKO.
DR   InterPro; IPR003599; Ig.
DR   InterPro; IPR007110; Ig-like.
DR   SMART; SM00409; IG; 1.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   283 AA;  30847 MW;  A97F17461857850B CRC64;

  Query Match           21.6%;  Score 61;  DB 2;  Length 283;
  Best Local Similarity  100.0%;  Pred. No. 9e-55;
  Matches   61;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 T 241
              |
Db        241 T 241


RESULT 6
Q7TSP5
ID   Q7TSP5      PRELIMINARY;      PRT;   283 AA.
AC   Q7TSP5;
DT   01-OCT-2003 (TrEMBLrel. 25, Created)
DT   01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
DT   05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE   Immune costimulatory protein B7-H4 (T cell costimulatory molecule
DE   B7x).
OS   Mus musculus (Mouse).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX   NCBI_TaxID=10090;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=BALB/c;
RA   Sica G.L., Choi I.-H., Zhu G., Tamada K., Wang S.-D., Tamura H.,
RA   Chapoval A.I., Flies D.B., Bajorath J., Chen L.;
RL   Submitted (APR-2003) to the EMBL/GenBank/DDBJ databases.
RN   [2]
RP   SEQUENCE FROM N.A.
```

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RC   STRAIN=FVB/N;
RX   MEDLINE=22833980; PubMed=12920180; DOI=10.1073/pnas.1434299100;
RA   Zang X., Loke P., Kim J., Murphy K., Waitz R., Allison J.P.;
RT   "B7x: a widely expressed B7 family member that inhibits T cell
RT   activation.";
RL   Proc. Natl. Acad. Sci. U.S.A. 100:10388-10392(2003).
DR   EMBL; AY280973; AAP37284.1; -.
DR   EMBL; AY346099; AAQ24205.1; -.
DR   HSSP; Q63345; 1PKO.
DR   InterPro; IPR007110; Ig-like.
DR   PROSITE; PS50835; IG_LIKE; 2.
SQ   SEQUENCE   283 AA;  30875 MW;  7E2F174618578519 CRC64;

  Query Match             21.6%;  Score 61;  DB 2;  Length 283;
  Best Local Similarity   100.0%;  Pred. No. 9e-55;
  Matches   61;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Qy        241 T 241
              |
Db        241 T 241


RESULT 7
Q9B8D0
ID   Q9B8D0      PRELIMINARY;      PRT;    84 AA.
AC   Q9B8D0;
DT   01-JUN-2001 (TrEMBLrel. 17, Created)
DT   01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   NADH dehydrogenase subunit 4L.
GN   Name=NAD4L;
OS   Candida albicans SC5314.
OG   Mitochondrion.
OC   Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
OC   Saccharomycetales; mitosporic Saccharomycetales; Candida.
OX   NCBI_TaxID=237561;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=SC5314;
RX   MEDLINE=21142511; PubMed=11208783; DOI=10.1128/JB.183.3.865-872.2001;
RA   Anderson J.B., Wickens C., Khan M., Cowen L.E., Federspiel N.,
RA   Jones T., Kohn L.M.;
RT   "Infrequent genetic exchange and recombination in the mitochondrial
RT   genome of Candida albicans.";
RL   J. Bacteriol. 183:865-872(2001).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   STRAIN=SC5314;
RA   Federspiel N.A., Jones T., Scherer S., Hansen N., Bivolarevic V.,
RA   Huizar L., Komp C., Surzycki R., Tamse R., Altafi H., Aparicio A.M.,
RA   Araujo R., Au M., Aviles Campo F., Bruno D., Conn L., Faulkner D.,
RA   Gurjal M., Kalman S., Kurdi O., Smith M., Allen E., Marziali A.,
RA   Glukhov S., Proctor M., Thorstenson Y., Willis T.D., Davis R.W.;
RL   Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; AF285261; AAG59596.2; -.
DR   GO; GO:0005739; C:mitochondrion; IEA.
DR   GO; GO:0008137; F:NADH dehydrogenase (ubiquinone) activity; IEA.
DR   GO; GO:0006120; P:mitochondrial electron transport, NADH to u. . .; IEA.
DR   InterPro; IPR001133; Oxidored_4L.
DR   InterPro; IPR003214; Oxidred4L.
DR   Pfam; PF00420; Oxidored_q2; 1.
DR   ProDom; PD000359; Oxidred4L; 1.
KW   Mitochondrion.
SQ   SEQUENCE   84 AA;  9220 MW;  16C2093CACE79CD3 CRC64;

  Query Match             2.8%;  Score 8;  DB 2;  Length 84;
  Best Local Similarity   100.0%;  Pred. No. 8.3;
  Matches    8;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         15 IIIILAGA 22
              ||||||||
Db         54 IIIILAGA 61


RESULT 8
Q8HXD1
ID   Q8HXD1      PRELIMINARY;      PRT;   106 AA.
AC   Q8HXD1;
DT   01-MAR-2003 (TrEMBLrel. 23, Created)
DT   01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
DT   01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
DE   Hypothetical protein.
OS   Macaca fascicularis (Crab eating macaque) (Cynomolgus monkey).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Cercopithecidae;
OC   Cercopithecinae; Macaca.
OX   NCBI_TaxID=9541;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Frontal lobe left;
RX   MEDLINE=21458551; PubMed=11574149; DOI=10.1016/S0378-1119(01)00665-5;
RA   Osada N., Hida M., Kusuda J., Tanuma R., Iseki K., Hirata M., Suto Y.,
RA   Hirai M., Terao K., Suzuki Y., Sugano S., Hashimoto K.;
RT   "Assignment of 118 novel cDNAs of cynomolgus monkey brain to human
RT   chromosomes.";
RL   Gene 275:31-37(2001).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Frontal lobe left;
RA   Hashimoto K., Osada N., Hida M., Kusuda J., Sugano S.;
RL   Submitted (OCT-2002) to the EMBL/GenBank/DDBJ databases.
DR   EMBL; AB093659; BAC21633.1; -.
KW   Hypothetical protein.
SQ   SEQUENCE   106 AA;  11676 MW;  6F6420F390EA53C3 CRC64;

  Query Match             2.8%;  Score 8;  DB 2;  Length 106;
  Best Local Similarity   100.0%;  Pred. No. 10;
  Matches    8;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         38 TVTTVASA 45
              ||||||||
Db         28 TVTTVASA 35


RESULT 9
Q897X0
ID   Q897X0      PRELIMINARY;      PRT;   106 AA.
AC   Q897X0;
DT   01-JUN-2003 (TrEMBLrel. 24, Created)
DT   01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   Putative transcriptional regulator (PadR family).
GN   Name=padR; OrderedLocusNames=CTC00601;
OS   Clostridium tetani.
OC   Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae;
OC   Clostridium.
OX   NCBI_TaxID=1513;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=Massachusetts / E88;
RX   MEDLINE=22457253; PubMed=12552129; DOI=10.1073/pnas.0335853100;
RA   Brueggemann H., Baeumer S., Fricke W.F., Wiezer A., Liesegang H.,
RA   Decker I., Herzberg C., Martinez-Arias R., Merkl R., Henne A.,
RA   Gottschalk G.;
RT   "The genome sequence of Clostridium tetani, the causative agent of
RT   tetanus disease.";
RL   Proc. Natl. Acad. Sci. U.S.A. 100:1316-1321(2003).
DR   EMBL; AE015938; AAO35216.1; -.
DR   InterPro; IPR005149; PadR.
DR   InterPro; IPR009058; Wing_hlx_DNA_bnd.
DR   Pfam; PF03551; PadR; 1.
KW   Complete proteome.
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SQ   SEQUENCE   106 AA;  12356 MW;  2D2ECFC628204CDF CRC64;

  Query Match             2.8%;  Score 8;  DB 2;  Length 106;
  Best Local Similarity   100.0%;  Pred. No. 10;
  Matches    8;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         85 EGKDELSE 92
              ||||||||
Db         81 EGKDELSE 88


RESULT 10
Q6Y1Y6
ID   Q6Y1Y6      PRELIMINARY;      PRT;   118 AA.
AC   Q6Y1Y6;
DT   05-JUL-2004 (TrEMBLrel. 27, Created)
DT   05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
DT   05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE   Ribosomal protein L12 (Fragment).
OS   Pagrus major (Red sea bream) (Chrysophrys major).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;
OC   Acanthomorpha; Acanthopterygii; Percomorpha; Perciformes; Percoidei;
OC   Sparidae; Pagrus.
OX   NCBI_TaxID=143350;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Spleen;
RA   Chen S.L., Xu M.Y.;
RL   Submitted (DEC-2002) to the EMBL/GenBank/DDBJ databases.
CC   -!- SIMILARITY: Belongs to the ribosomal protein L11P family.
DR   EMBL; AY190964; AAO92747.1; -.
DR   GO; GO:0005840; C:ribosome; IEA.
DR   GO; GO:0003735; F:structural constituent of ribosome; IEA.
DR   GO; GO:0006412; P:protein biosynthesis; IEA.
DR   InterPro; IPR000911; Ribosomal_L11.
DR   Pfam; PF00298; Ribosomal_L11; 1.
DR   SMART; SM00649; RL11; 1.
KW   Ribonucleoprotein; Ribosomal protein.
FT   NON_TER       1      1
FT   NON_TER     118    118
SQ   SEQUENCE   118 AA;  12908 MW;  5C7A2F03D2DDA8FD CRC64;

  Query Match             2.8%;  Score 8;  DB 2;  Length 118;
  Best Local Similarity   100.0%;  Pred. No. 11;
  Matches    8;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        230 DIAKATGD 237
              ||||||||
Db         15 DIAKATGD 22


RESULT 11
Q862X1
ID   Q862X1      PRELIMINARY;      PRT;   129 AA.
AC   Q862X1;
DT   01-JUN-2003 (TrEMBLrel. 24, Created)
DT   01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
DT   01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE   Similar to ribosomal protein L12 (Fragment).
OS   Bos taurus (Bovine).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
OC   Bovinae; Bos.
OX   NCBI_TaxID=9913;
RN   [1]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=22544902; PubMed=12658628; DOI=10.1002/mrd.10292;
RA   Ishiwata H., Katsuma S., Kizaki K., Patel O.V., Nakano H.,
RA   Takahashi T., Imai K., Hirasawa A., Shiojima S., Ikawa H., Suzuki Y.,
RA   Tsujimoto G., Izaike Y., Todoroki J., Hashizume K.;
RT   "Characterization of gene expression profiles in early bovine
RT   pregnancy using a custom cDNA microarray.";
RL   Mol. Reprod. Dev. 65:9-18(2003).
CC   -!- SIMILARITY: Belongs to the ribosomal protein L11P family.
DR   EMBL; AB098784; BAC56320.1; -.
DR   GO; GO:0005840; C:ribosome; IEA.
DR   GO; GO:0003735; F:structural constituent of ribosome; IEA.
DR   GO; GO:0006412; P:protein biosynthesis; IEA.
DR   InterPro; IPR000911; Ribosomal_L11.
DR   Pfam; PF00298; Ribosomal_L11; 1.
DR   Pfam; PF03946; Ribosomal_L11_N; 1.
DR   SMART; SM00649; RL11; 1.
DR   PROSITE; PS00359; RIBOSOMAL_L11; 1.
KW   Ribonucleoprotein; Ribosomal protein.
FT   NON_TER       1      1
FT   NON_TER     129    129
SQ   SEQUENCE   129 AA;  14127 MW;  E9F90F265C3EC763 CRC64;

  Query Match             2.8%;  Score 8;  DB 2;  Length 129;
  Best Local Similarity   100.0%;  Pred. No. 12;
  Matches    8;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        230 DIAKATGD 237
              ||||||||
Db          9 DIAKATGD 16


RESULT 12
O66334
ID   O66334      PRELIMINARY;      PRT;   141 AA.
AC   O66334;
DT   01-AUG-1998 (TrEMBLrel. 07, Created)
DT   01-AUG-1998 (TrEMBLrel. 07, Last sequence update)
DT   01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE   Alpha subunit of dinitrogenase reductase (Fe protein) (Fragment).
GN   Name=nifH;
OS   unidentified nitrogen-fixing bacteria.
OC   Bacteria.
OX   NCBI_TaxID=34107;
RN   [1]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=20011231; PubMed=10543805;
RA   Ohkuma M., Noda S., Kudo T.;
RT   "Phylogenetic diversity of nitrogen fixation genes in the symbiotic
RT   microbial community in the gut of diverse termites.";
RL   Appl. Environ. Microbiol. 65:4926-4934(1999).
CC   -!- SIMILARITY: Belongs to the nifH / bchL / chlL family.
DR   EMBL; AB011904; BAA28439.1; -.
DR   HSSP; P00456; 1CP2.
DR   GO; GO:0005524; F:ATP binding; IEA.
DR   GO; GO:0016491; F:oxidoreductase activity; IEA.
DR   GO; GO:0006118; P:electron transport; IEA.
DR   InterPro; IPR000392; NitrogenaseII.
DR   Pfam; PF00142; Fer4_NifH; 1.
DR   PRINTS; PR00091; NITROGNASEII.
DR   PROSITE; PS00746; NIFH_FRXC_1; 1.
KW   4Fe-4S; ATP-binding; Iron; Iron-sulfur; Metal-binding; Oxidoreductase.
FT   NON_TER       1      1
FT   NON_TER     141    141
SQ   SEQUENCE   141 AA;  14987 MW;  15AAADCEB162617C CRC64;

  Query Match             2.8%;  Score 8;  DB 2;  Length 141;
  Best Local Similarity   100.0%;  Pred. No. 13;
  Matches    8;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         61 DIKLSDIV 68
              ||||||||
Db         52 DIKLSDIV 59


RESULT 13
Q862L6
ID   Q862L6      PRELIMINARY;      PRT;   145 AA.
AC   Q862L6;
DT   01-JUN-2003 (TrEMBLrel. 24, Created)
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DT   01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
DT   01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE   Similar to ribosomal protein L12 (Fragment).
OS   Bos taurus (Bovine).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
OC   Bovinae; Bos.
OX   NCBI_TaxID=9913;
RN   [1]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=22544902; PubMed=12658628; DOI=10.1002/mrd.10292;
RA   Ishiwata H., Katsuma S., Kizaki K., Patel O.V., Nakano H.,
RA   Takahashi T., Imai K., Hirasawa A., Shiojima S., Ikawa H., Suzuki Y.,
RA   Tsujimoto G., Izaike Y., Todoroki J., Hashizume K.;
RT   "Characterization of gene expression profiles in early bovine
RT   pregnancy using a custom cDNA microarray.";
RL   Mol. Reprod. Dev. 65:9-18(2003).
CC   -!- SIMILARITY: Belongs to the ribosomal protein L11P family.
DR   EMBL; AB098966; BAC56456.1; -.
DR   HSSP; P29395; 1MMS.
DR   GO; GO:0005840; C:ribosome; IEA.
DR   GO; GO:0003735; F:structural constituent of ribosome; IEA.
DR   GO; GO:0006412; P:protein biosynthesis; IEA.
DR   InterPro; IPR000911; Ribosomal_L11.
DR   Pfam; PF00298; Ribosomal_L11; 1.
DR   Pfam; PF03946; Ribosomal_L11_N; 1.
DR   SMART; SM00649; RL11; 1.
DR   PROSITE; PS00359; RIBOSOMAL_L11; 1.
KW   Ribonucleoprotein; Ribosomal protein.
FT   NON_TER       1      1
FT   NON_TER     145    145
SQ   SEQUENCE   145 AA;  15690 MW;  386D68BD728102D3 CRC64;

  Query Match             2.8%;  Score 8;  DB 2;  Length 145;
  Best Local Similarity   100.0%;  Pred. No. 14;
  Matches    8;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        230 DIAKATGD 237
              ||||||||
Db         45 DIAKATGD 52


RESULT 14
Q68F82
ID   Q68F82      PRELIMINARY;      PRT;   153 AA.
AC   Q68F82;
DT   25-OCT-2004 (TrEMBLrel. 28, Created)
DT   25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
DT   25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
DE   Hypothetical protein.
OS   Xenopus tropicalis (Western clawed frog) (Silurana tropicalis).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
OC   Xenopodinae; Xenopus.
OX   NCBI_TaxID=8364;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Embryo;
RX   PubMed=12477932; DOI=10.1073/pnas.242603899;
RA   Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA   Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA   Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA   Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA   Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA   Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA   Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA   Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA   Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA   Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA   Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA   Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA   Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA   Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA   Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA   Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA   Jones S.J., Marra M.A.;
RT   "Generation and initial analysis of more than 15,000 full-length human
RT   and mouse cDNA sequences.";
RL   Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   TISSUE=Embryo;
RA   Klein S., Gerhard D.S.;
RL   Submitted (AUG-2004) to the EMBL/GenBank/DDBJ databases.
CC   -!- SIMILARITY: Belongs to the ribosomal protein L11P family.
DR   EMBL; BC079961; AAH79961.1; -.
DR   InterPro; IPR000911; Ribosomal_L11.
DR   Pfam; PF00298; Ribosomal_L11; 1.
DR   Pfam; PF03946; Ribosomal_L11_N; 1.
DR   SMART; SM00649; RL11; 1.
DR   PROSITE; PS00359; RIBOSOMAL_L11; 1.
KW   Hypothetical protein; Ribonucleoprotein; Ribosomal protein.
SQ   SEQUENCE   153 AA;  16408 MW;  51031F4215E29158 CRC64;

  Query Match             2.8%;  Score 8;  DB 2;  Length 153;
  Best Local Similarity   100.0%;  Pred. No. 14;
  Matches    8;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        230 DIAKATGD 237
              ||||||||
Db         33 DIAKATGD 40


RESULT 15
Q8C2K0
ID   Q8C2K0      PRELIMINARY;      PRT;   164 AA.
AC   Q8C2K0;
DT   01-MAR-2003 (TrEMBLrel. 23, Created)
DT   01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
DT   01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DE   Mus musculus 2 days neonate thymus thymic cells cDNA, RIKEN full-
DE   length enriched library, clone:E430018F03 product:ribosomal protein
DE   L12, full insert sequence.
GN   Name=Rpl12;
OS   Mus musculus (Mouse).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX   NCBI_TaxID=10090;
RN   [1]
RP   SEQUENCE FROM N.A.
RC   STRAIN=NOD; TISSUE=Thymus;
RX   MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
RA   Carninci P., Hayashizaki Y.;
RT   "High-efficiency full-length cDNA cloning.";
RL   Meth. Enzymol. 303:19-44(1999).
RN   [2]
RP   SEQUENCE FROM N.A.
RC   STRAIN=NOD; TISSUE=Thymus;
RX   MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
RA   RIKEN FANTOM Consortium;
RT   "Functional annotation of a full-length mouse cDNA collection.";
RL   Nature 409:685-690(2001).
RN   [3]
RP   SEQUENCE FROM N.A.
RC   STRAIN=NOD; TISSUE=Thymus;
RA   The FANTOM Consortium,
RA   the RIKEN Genome Exploration Research Group Phase I & II Team;
RT   "Analysis of the mouse transcriptome based on functional annotation of
RT   60,770 full-length cDNAs.";
RL   Nature 420:563-573(2002).
RN   [4]
RP   SEQUENCE FROM N.A.
RC   STRAIN=NOD; TISSUE=Thymus;
RX   MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
RA   Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,
RA   Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
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RT   "Normalization and subtraction of cap-trapper-selected cDNAs to
RT   prepare full-length cDNA libraries for rapid discovery of new genes.";
RL   Genome Res. 10:1617-1630(2000).
RN   [5]
RP   SEQUENCE FROM N.A.
RC   STRAIN=NOD; TISSUE=Thymus;
RX   MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
RA   Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,
RA   Konno H., Akiyama J., Nishi K., Kitsunai T., Tashiro H., Itoh M.,
RA   Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,
RA   Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,
RA   Fujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M.,
RA   Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J.,
RA   Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;
RT   "RIKEN integrated sequence analysis (RISA) system-384-format
RT   sequencing pipeline with 384 multicapillary sequencer.";
RL   Genome Res. 10:1757-1771(2000).
RN   [6]
RP   SEQUENCE FROM N.A.
RC   STRAIN=NOD; TISSUE=Thymus;
RA   Adachi J., Aizawa K., Akimura T., Arakawa T., Bono H., Carninci P.,
RA   Fukuda S., Furuno M., Hanagaki T., Hara A., Hashizume W.,
RA   Hayashida K., Hayatsu N., Hiramoto K., Hiraoka T., Hirozane T.,
RA   Hori F., Imotani K., Ishii Y., Itoh M., Kagawa I., Kasukawa T.,
RA   Katoh H., Kawai J., Kojima Y., Kondo S., Konno H., Kouda M., Koya S.,
RA   Kurihara C., Matsuyama T., Miyazaki A., Murata M., Nakamura M.,
RA   Nishi K., Nomura K., Numazaki R., Ohno M., Ohsato N., Okazaki Y.,
RA   Saito R., Saitoh H., Sakai C., Sakai K., Sakazume N., Sano H.,
RA   Sasaki D., Shibata K., Shinagawa A., Shiraki T., Sogabe Y., Tagami M.,
RA   Tagawa A., Takahashi F., Takaku-Akahira S., Takeda Y., Tanaka T.,
RA   Tomaru A., Toya T., Yasunishi A., Muramatsu M., Hayashizaki Y.;
RL   Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
CC   -!- SIMILARITY: Belongs to the ribosomal protein L11P family.
DR   EMBL; AK088464; BAC40369.1; -.
DR   HSSP; P29395; 1MMS.
DR   MGD; MGI:98002; Rpl12.
DR   GO; GO:0005737; C:cytoplasm; IDA.
DR   GO; GO:0005730; C:nucleolus; IDA.
DR   GO; GO:0005515; F:protein binding; IPI.
DR   InterPro; IPR000911; Ribosomal_L11.
DR   Pfam; PF00298; Ribosomal_L11; 1.
DR   Pfam; PF03946; Ribosomal_L11_N; 1.
DR   SMART; SM00649; RL11; 1.
DR   PROSITE; PS00359; RIBOSOMAL_L11; 1.
KW   Ribonucleoprotein; Ribosomal protein.
SQ   SEQUENCE   164 AA;  17806 MW;  66A010247E426D0C CRC64;

  Query Match           2.8%;  Score 8;  DB 2;  Length 164;
  Best Local Similarity  100.0%;  Pred. No. 15;
  Matches    8;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        230 DIAKATGD 237
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Db         45 DIAKATGD 52


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